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MENSTONE & GIBBONS, Publishers

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cles needed for the yearly supply may be

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VOLUME XVI.

"PRACTICE WITH THEORY AND SCIENCE."

NUMBER 12

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AN EXCITING TIME!

The Largest Plow Works in the World in Temporary Possession of a Mob!

icenes and Incidents of the Great Labor Riot at the Oliver Chilled Plow Works, Tuesday. January 13, 1885.

"The Works will not run to-morrowsmoke will come out of the chimneys, not a wheel will be turned until this ouble is settled. This matter can be ettled without any difficulty, and we vant you to appoint a committee to visit e office to-morrow morning to talk it ver. If you have any complaints or grievances put them in writing and present them in the morning. We will reeive your committee courteously, treat respectfully and do all we can to come e vou everything

ill be made right." So spoke the Superintendent of the liver Chilled Plow Works to a large and scited crowd of workmen congregated the immense foundry of the works on he evening of Monday, January 12th.

The response came from a hundred en "good, good, that's right, that's the my to settle it," and without further fords the crowd separated and left the forks. The Superintendent after satisfyg himself that his words were fully unerstood proceeded with his duties, and oall appearances a peaceful solution of e labor troubles was about to be had. confident was he and the others in aulority that they could rely upon the apointment of the committee asked and romised, that no extraordinary precauons were taken to guard the works-exept the placing of a few additional atchmen, and when the works were finalclosed for the night it was with the heerful expectation that only a tempoary stoppage would ensue and all matters misunderstanding be amicably settled.

Monday the 12th had been an exciting ay and an anxious one for those in auhority at the works. The molders in the oundry had shown signs of discontent, he grinders were sulky and uneasy but outbreak occurred until afternoon. At ne o'clock the time for commencing Fork, the grinders numbering between one and two hundred assembled in the grindng department and refused to resume

The Superintendent brought the news the office and was told to see the strikrs, ask them the trouble and request hem to appoint a committee to visit the aanagement and talk matters over. On doing this he was met with scowls, but attention paid to his request. Again id he report and again did he make this quest but to no avail.

Finally between three and four o'clock he striking grinders armed themselves with clubs, bars of iron and steel, plow andles, etc., and prepared to march to the other departments. Such a body of men armed as these were and acting upon the aption that brute force would accomlish their ends, not reasoning or caring reason as to the result of their action, temporarily irresistible and it is not to e wondered at that their action caused tave anxiety to the management.

Taking up their line of march they sited in succession the polishing shops, itting department, smith's shops, machine and pattern rooms, wood shops, paint hops, japanning rooms, malleable deartment, and warehouse and compelled he workmen in each to stop work. Where this was not at once done, violence as resorted to and several of the men eceived serious injuries at the hands of

the strikers. Belts were cut, machines disabled, and led by several determined men the strikers had everything their own way. Finally the foundry was visited but no attempt made to stop the workmen there who were evidently in collusion with the grinders. Watching until the last ladle of iron was poured and the bottoms of the cupolas dropped, a rush was made for the engine room and the engineer compelled to stop the engine. The violence of the strikers having been reported to the office, the Mayor and police were telephoned for and promptly put in an appearance.

They at once proceeded to the grinding shops, where by this time the strikers had again gone, and disarmed such of them as had not thrown away their weapons on the approach of the police. Temperate talk only was indulged in, but the strikers were requested to disband and leave the premises. Some of them did this, but the larger portion repaired to the foundry and were joined by the workmen there employed. Then occurred the scene described at the opening of this article and to those participating it was a most anx-

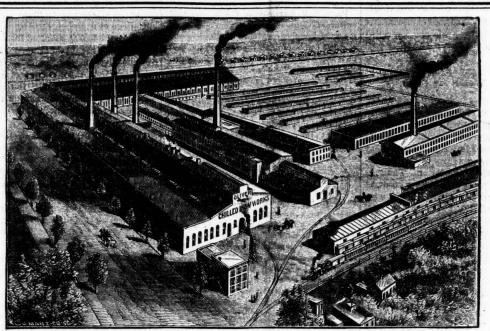
Whatever ideas of good faith the strikers may have had as to the appointment of a committee and peaceful solution of the trouble, were evidently dispelled during the night, for on Tuesday morning, the 18th of January, a large crowd assembled about the works as soon as it was light enough to see. Indeed, long before daylight the advance guard was present in considerable force and took possession of all approaches to the works and office. Numbering perhaps three or four hundred men, and armed with bludgeons, bars of iron and steel, and apparently almost everything else that ingenuity could suggest, or opportunity furnishthe crowd certainly did not appear to be present in the interest of peace. The morning was cold and crisp, the ther. mometer marking well along towards zero; but this only served as an incentive to keep the crowd active and uneasy, and it swayed back and forward unceasingly. Many there were, too, who did not depend entirely upon exercise to keep them warm, and their flushed faces and excited appearance betokened a too frequent recourse to something stronger than coffee. Poles and Hungarians, with a mixture of other nationalities, composed the crowd, the Poles largely in the lead, and mischief was plainly written on most an understanding. Don't come in a of the faces. The crowd was not confined crowd in the morning, don't commit any | to employes of the works, but among the iolence, but leave everything to your most active were many who had never worked there, and were present in aspir of mischief only.

> As the hour of seven o'clock approach ed the superintendent, time-keeper, and foremen, whose duties called them inside the works, whether running or not. attempted to pass through the gates, but were turned back by the guards stationed for the purpose, and threatened with violence if they persisted. A few, by making long circuits, succeeded in jumping over the high-board fence, and got inside without being molested. A little later the office force appeared on the scene, but each one was turned back and informed that no one would be permitted to enter the office. This last feature was something novel, as it has not been customary to interfere with office men in the strikes heretofore reported.

Enforcing this determination to let no one enter the office, with upraised clubs in the hand of brawny Poles, it certainly did not present an inviting field to the office men; but one of the force, a little belated in arrival, pushed his way through the crowd, ascended the steps, and made the experiment by trying the latch of the office door. As he did so the club of one of the men guarding the door fell upon his head with no gentle force. Turning to meet this attack, and grasping the man who made it, he was struck on the head from behind. Then it seemed as if the famous charge of the "Six Hundred" was to be repeated. Clubs to the right, clubs to the left, clubs in front, clubs behind clubs everywhere, and each wielded with a viciousness that made every blow resound. Pandemonium had broken loose, and the disorderly crowd had become a

blood-thirsty mob. But two courageous policemen and two veteran Union soldiers had sprung to the assistance of the office man, and the mob did not have it all their own way. Pistols were drawn, shots fired, fists freely used, and in a moment the steps were cleared and the office man carried his point, and entered the office-locking the door after him. Both he and some of his assistants were badly pounded, but escaped without dangerous injuries. Foiled in their efforts to prevent the office being entered, the mob attacked and beat all the faithful employes that could be identified and reached, and forced others to flee for their lives. One section of the mob broke down the gates and swarmed into the enclosed grounds and works. The gate keeper after holding out as long as possible fled for his life, and his office was speedily wrecked. The Superintendent's office was badly used, and the mob vented its spite by maliciously breaking windows

and sash, office furniture, stoves, etc. Leaving the superintendent's office a rush was made for the warehouse, where the finished goods were stored, and here



OLIVER CHILLED PLOW WORKS, SOUTH BEND, INDIANA.

The shipping clerk's office was damaged but slightly; but nearly all the windows for the entire length of the warehouse were broken. Hammers carried by the

the vandals got in some heavy work. was assembled with the utmost dispatch, like the "Oliver Chilled Plow Works," and prepared to march on the scene of the employing nearly a thousand men-with riot. Fortunately again, a field officer of a capacity of eight hundred to one thouthe regiment to which this company be- sand finished plows per day-making longs resides in South Bend, and his shipments to every State and Territory rioters were brought into use, and chilled service in the Union army made him of the Union, and to a number of foreign plows in large numbers-all ready for peculiarly fitted to lead the column. Re- countries and colonies, must and does exshipment—were broken in pieces and re- inforced by a large number of law abiding ert a favorable influence upon the comduced to scrap iron. Thousands of dol-citizens the veterans approached the munity in which it is located. It is not lars damage was done in this department, scene, and as their glistening bayonets surprising therefore that the citizens of and special attention was given to dis- became visible down the street the mob South Bend rallied to its support, and abling a quantity of plows designed for hesitated, stopped in its work, and finally have expressed themselves in vigorous shipment to Scotland and Australia. scattered; some there were who sullenly and unmistakable language; that law While this was in progress, bands of the remained, but these were quickly dis- and order shall be maintained, and rioters busied themselves in hunting out covered and the prominent ones who pledging the support of the city and its from which, moving skyward or lazily the watchmen, foremen and others who could be identified placed in custody. people to this end. The lessons of the spreading over a vast expanse of brick and

Modestly but substantially was commenced the erection of what are to-day the largest distinctive plow works in the world. The buildings, few in number at first, have been added to year by year until now the vacant ground remaining from the 37 acres included in the tract is small in area and further encroachments upon it are neglected, and the result is that the will have to be made with watchful care. To the farmer, interested in the implement upon which he depends so much, the manufacture of plows will present a most interesting study and a visit to the Oliver Chilled Plow Works will not only gratify any curiosity he may have, but will give an enlarged idea of the possibilities of American enterprise and the success which attends faithful, unremitting

The visitor on approaching the works is greeted with the sight of a number of tall chimneys towering high above the surrounding level, the thick black smoke

done and the great loss that would have resulted, directly and indirectly, to the community in which the works are located. Solid substantial buildings, the whirr of busy machinery, the peaceful coming and going of industrious workmen, are far better subjects for contemplation than shapeless smoking masses of brick and mortar, or empty buildings with smokeless chimneys, and in rallying to the support of the great plow works as the citizens of South Bend and vicinity have done they not only maintained s good principle of right but acted for the best interests of labor. A recent writer in speaking of the industries of South Bend makes mention of the Oliver Chilled Plow Works in the following language:

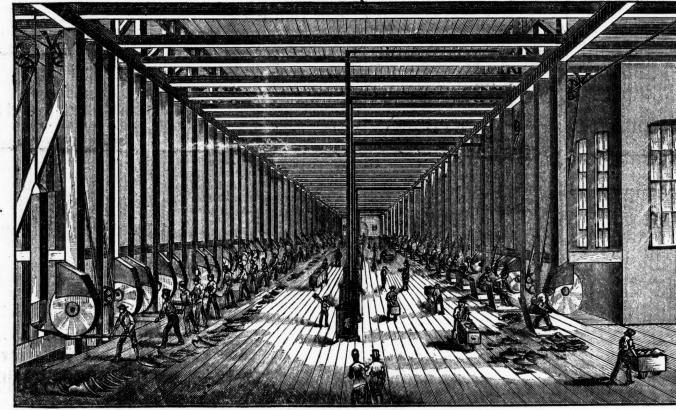
The floor space, exclusive of the lumber sheds. amounts to something over 10 acres and is divided as follows: Annealing Booms..... 136x154 feet Fitting Department.
Grinding Room.
Polishing Room.
Wood Shope.
Machine Shop.
Pattern Room.
Smith Shope. and conscientious labor. Smith Shops...... Paint Snops.
Japanning Department.
Boller Room.
Engine Rooms.
Stock Room.

Each department is complete in all its details and from the raw material to the finished plow, everything is treated in the most painstaking and conscientious manner. Competent superintendants and foremen, who by long experience and special fitness for their duties have proven themselves the right men in the right placeare in charge of the several rooms and are held responsible for the work entrusted to them. A representative of this paper recently made a pleasant visit to South Bend, and while gathering the foregoing items it was his good fortune to witness the pro-

cess of casting in the great foundry of the Oliver Chilled Plow Works. This was so interesting that we venture a description of it for the benefit of ou readers. In this department all is bustle and animation, and the cupolas have been prepared for their part in the drama. These are five in number and consist of huge wrought iron cylinders supported upon heavy cast iron columns and towering to and through the foundry roof. These cupolas are lined with fire brick to enable them to withstand the intense heat to which they are subjected, and the necessity for this is quite apparent when one views the miniature volcanoes that daily spout from their summits. The bottoms of the cupolas swing on hinges to permit them to be dropped when the smelting for the day is done, and also to permit of the proper preparation of the supolas for the important work they perform. By the aid of ordinary dirt and fire clay a thick and substantial fire proof bed is formed upon the cast iron bottoms and they are ready for the charge of fuel and iron. Kindlings, wood, coke, coal and pig iron form this charge, placed in the proper positions and quantities which long experience has demonstrated to be correct. From floors called "top houses," situated beneath the roof, these charges are placed in the cupolas and renewed from time to time through the medium of iron doors placed in the cupolas at this point. The pig iron is broken into pieces convenient to handle and dropped into the cupolas during the cast until the entire amount designated for the day's smelting is used. Openings in the sides

of the cupolas at proper intervals are made for the introduction of blast pipes, for without a strong blast being applied the iron could not be easily smelted. An additional opening gives egress to the molten iron, which is conducted through a clay lined iron spout into the ladles used for its reception. Everything being in readiness, the fires which have been lighted for some time previously, are fanned into intense heat by the blast which is now applied, and in a short time the molten metal settles to the bottom of the cupola and is ready to be drawn off. Surrounding the cupolas are the molders and helpers whose duty it is to take off the "heat." Small iron ladles, lined with clay, for the use of one man, and larger ones for two
men are used, and in regular rotation they
are held under the spout and receive the
flery liquid iron which flows into
them. Quick work is now the word and them. Quick work is now the word and the hurrying of the workmen, the sharp cries of the foremen whose voices alone are heard, the sparkling, glowing iron and the steaming moulds combined, form a scene not easily forgotten by the visitor. No description however can do complete justice to the magnitude of this establish-ment and a record visit with ample ment, and a personal visit with ample time is necessary to fully comprehend it. The labor troubles are over—peace once

more reigns—and the smoking chimneys and humming music of hundreds of busy wheels attest the fact that the great plowfactory has resumed operations.



Grinding Room.-Where the Strike Commenced.

they were subjected to terrible beatings and injury. Meanwhile the management and authorities had not been idle, and a dose of law and order was being prepared for the rioters. Communication by telephone was constantly kept up with the office, and the condition of affairs promptly reported. The sheriff and mayor were active in their respective departments, and a determination to quell the riot was vigorously manifested. Fortunately South Bend possesses a company of State troops composed exclusive-

in the office all this time, greeted the coming bayonets warmly, and were thankful indeed that the siege was raised. It is difficult to say what causes induced the riot, as the men at work had given no sign of such a course and had worked steadily and faithfully up to the Monday preceding the riot. The presumption is, that men who could not obtain work un der any circumstances at the factory had exerted their influence to create dissatisfaction, and aided by meddlesome parties in addition, had succeeded in ly of veteran Union soldiers, equipped bringing about the feeling that culminat-

were inside the works, and when found The office man and boy who had remained riot have proven dear experience to many of the rioters, and it is to be heped will be an effectual bar to such proceedings in the future.

To those languishing in the county jail under sentence for riot and assault the reflection comes, a little late perhaps, that lawful methods are best, and their experience behind bolts and bars will be a reminder to them that no well ordered community endorses riot and mob violence Had less decision be shown, had the authorities and military failed in their duty. had the sentiment in favor of law and order been less pronounced, there is no calwith Sharpe's rifles, and this company ed in the strike and riot. An institution culating the damage that might have been

mortar, indicates in unmistakable language that the "wheels of labor" are turn. ing and that busy scenes are in progress in the substantial buildings beneath. Pass ing through the office and into the enclosed grounds a scene of bustling activity is before his eyes. Railroad tracks branching from the main lines of the L. S. & M. S. and C. & G. T. Railways lead into and about the works, and empty and loaded cars from many of the prominent railways of the country are standing on the tracks or being hauled about by the station switch engine which is on duty here many hours of each working day."



Main Foundry, Inside View-Showing where the Strikers Congregated and were Addressed by the Superintendent.



The Owosso Breeding Stables.

Messrs. Dewey & Stewart, proprietors of the Owosso Breeding Stables, send us their catalogue for 1885. It comprises many names that have been rendered illustrious by their descendants. There are very fine portraits of Louis Napoleon, Geo. Milo. Jerome Eddy, Edmore, St. Jo., and that fine old mare Fanny Mapes, the dam of Jerome Eddy, Jo. Gavin, Geo. Milo, Frank Noble and others. She is and 20 winners. The great California sire, now coming 26 years old, but looks like a ten year old. Louis Napoleon 207 is now 19 years old, but seems to do better with advancing years. He will always stand among the first of trotting sires in the United States. Jo. Gavin 564, by Messenger Duroc, the sire of the six year old mare Cora Bell now in the .30 list, and a number of very promising young colts, is another of the stallions in service, the others being George Milo 1313, by Louis by Imp. Gray Marquis, and an inbred weanling Napoleon, dam Fanny Mapes; Furor 8036, by King Rene 1278, dam Fuga by George Wilkes 519; Bonnie Wilkes 3261, by Bourbon Wilkes 2345, dam Carrie Sharp, by Alexander's Abdallah. These stallions bring within reach of our breeders the very choicest and most fashionable strains of blood known to the trotting turf, and the proprietors of this stable deserve the credit of bringing into the front rank the name of Michigan for breeding the trotter. There is not an owner or breeder of a trotting horse in the State whose value has not been added to by the enterprise of Messrs. Dewey & Stewart, and one and all should take pride in the results they have achieved. Their wonderful success in the past will, we confidently believe, be surpassed in the future, as they are not resting upon the laurels they have won, but are showing the same enterprise now as when they first embarked in the business. They have made the name of Owosso known wherever a trotter is owned, and they will not allow it to be forgotten vet awhile.

Horses' Memories.

A couple of years ago a gentleman in Providence owned a little gray horse that was used in the family by himself, his wife and children. It was made quite a pet of. Finding that it could speed quite sharp, he entered it in a number of country races, in the end getting a record of 32 for it. Then he sold it. Later on, the children missed it so much that he endeavored to get trace of it, and sent to a number of places, but failed to find it. A couple of days ago he was on Washington street, and his attention was attracted by a little gray pacer that came whirling down. He had never seen his gray pace, but he was sure this was his old pet, and when opportunity offered he drove alongside and called it by name. The pony knew him at once, and gave unmistakable evidence of recognition.

Another instance showing the memory of the horse is that of the pacer purchased by Mr. Lloyd last year of a Winsted gentleman. A few weeks ago the former owner was in town and went up to see Ginger. The horse's present attendant was in the box stall petting him when his old master stepped in and called him by name. The horse no sooner heard his voice than he forsook his companion and showed his delight at meeting his former owner in various ways, among other tricks going into his coat pockets for delicacies that he used to find there. The gentleman asked him to "roll over" for him and he went down upon the straw and over in a moment. Mr. Lloyd's health prevents his showing Ginger much this winter, but it is generally conceded that the handsome little horse would make it quite interesting for the best of the trotters .- Hartford Courant.

Horse Gossip.

THE old gray gelding Hopeful, record 2:14%, was sold the other day for \$1,200.

DENVER, Col., claims to have more fine roadsters than any other city of its size in the

MR. A. COOPER'S American bred horse Bachem, six years old, by War'Dance, dam, Siv Boots, broke down in a hurdle race, two miles, at Manchester, England, carrying 167

AT the recent combination sale of trotters at Lexington, Ky., the get of George Wilkes sold for \$10,005, an average of a trifle over \$2,500. His grandsons and granddaughters brough \$15,700, an average of \$506, there being 31

THE Driving Club of New York have offered \$10,000 in purses, premiums and added money for its spring meeting the first week in June The purses include 2:17, 2:21, 2:23, 2:25, 2:30, 2:40, 3:00 classes, a runners' special, and match trot.

MR. A. H. BYERLY, of Owosso, recently sold his bay mare Mambrino Jennie, by Mambrine Patchen, dam by Alexander's Abdallah, which he purchased of Dr. Herr, of Lexington, Ky., as a yearling, to George H. Morgan, of Grand Rapids, who in turn sold her to H. C. McDowell, of Lexington.

MESSES. SAVAGE & FARNUM, proprietors of the Island Home Stock Farm, Grosse Isle, Mich., have sold the imported Percheron stallion Patrocle 2620, to a Canadian party. Also the imported Percheron stallion Selim 3694, to Mr. John McKinnon, of Durham, Ont. Both are very fine specimens of the Percheron breed,

MR. EUGENE M. KEYS, of Reading, Hillsdale County, has purchased from Stephen Osborne of Hillsdale, a chestnut filly ten months old ull sister to Belle F. She was sired by Master lode (Fisk's Hambletonian Star) 595, dam Belle Hastings by Magna Charta, grand dam Mambrino Ret, by Mambrino Chief Jr. 2:14. The price paid was \$1,200. She was bred by Mr. Osborne, who also bred Belle F.

THE managers of Highlawn Stock Farm, Alma Mater, dam of the noted stallions Alcan tara (2:23) and Alcvone (2:27), the price paid being \$2,500 a year, or \$5,000. This makes \$45,500 which the owners of this celebrated brood have already realized or are sure to, barring accidents, from her produce. She is Superphosphate is of little or no value on chain of complications which envelops ground, or that a few inches of earth be still a young mare, having been foaled in 1872. the land at that place, and the improve- this perplexing subject."

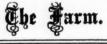
In the Devonshire hurdlerace, ran at Derby, England, on March 17, the American horse Idea, carrying 175 pounds, won, and the American horse Abbottsford, (formerly Mistake,) was third, carrying 164 lbs. The favorite, Philosopher, was the only English horse who did not fall, and came in second. The American horses were heavily weighted, but seemed to have both the speed and stoutness so necessary in such a race as this.

THE old pacing stallion, Blue Bull, head the list of successful trotting sires for 1884. He had 52 representatives on the turf last year and 30 of them were winners. George Wilkes is next, with 33 starters, out of which he had 33 winners. Almont is third, with 32 starters Electioneer, had only nine out last year, and all of them winners. Cuyler had out five, and four of them were winners. Daniel Lambert had out 20, 16 of them winners. Dictator had 18, and only nine of them winners.

MR. EDSON WOODMAN, of Paw Paw, Mich. has lately made some large sales from his Percheron breeding stables to various parties Prominent among them is the sale of his splen did three year old Percheron stallion Monarch stallion by Duke of Perch, out of the young three year old gray mare Libbie, by Duke of Perch, to Messrs. Wm. Clark and George Salsbury, of Carthage, Jefferson County, N. Y. He has purchased from parties in Ionia and Barry Counties, two well bred breeding mares and two stallions coming two years old, both got by imp. Gray Marquis, out of Marc Anthony mares. Mr. Woodman ranks high in this State as a breeder of Percherons, and has still he well known Duke of Perch at the head of

Turf, Field and Farm: Thirty years ago a rising publisher full of drive, called on Mr. G. P. Burnham, of Boston, and was attracted by a print of a horse hanging against a wall. To his inquiries Mr. Burnham replied that the lithograph was of a young horse which had been old for \$1,000 to go to New Orleans. "What, exclaimed the astonished young publisher one thousand dollars for a horse! Is there man in the country fool enough to pay that auch money for a horse?" The years rolled on, and it was only last summer that the telegraph flashed the intelligence to the four corners of the world that the richest man in Am erica had sold Maud S. for \$40,000. The editor and printer who had expressed so much tonishment that a man could be found who was fool enough to pay \$1,000 for a horse. Mr. conner's idea of the value of a trotter has been changed since that day.

PERCHERONS' BEST FOR CITY USE.-A. M Stein & Co., Brooklyn, N. Y., handle 2,000 horses annually, mostly heavy draft. They say of the grade Percherons: "We handle more of the Percherons than any other breed. There is more demand for them. They give the best satisfaction, no matter how little of the blood there is in them. Generally they have good feet and last better on our pave nents than the Clydesdale and other breed Tell the farmers of the West to keep their Percheron mares and breed them. Would advise breeding to Percheron horses in preference to any other breed."-Chicago Tribune. During the past twelve months, over 600 Percherons have been bought in France and imported to Oaklawn Farm by M. W. Dunham, of Wayne, Ill., whose purchases are almost exclusively confined to pedigreed animals, ecorded in the Percheron Stud Book of France as the honest and careful breeders of pure bree stock would no more buy a horse imported from France, without a pedigree, than they would buy an imported Shorthorn or Hereford bull that was not recorded in England.



Remedy for Sore Eyes.

To the Editor of the Michigan Farmer.

In looking over the Veterinary Department of the FARMER I have once or twice seen inquiries for remedies for sore eyes in cattle. I will describe a remedy which I found out almost by accident. The only thing about it is that it looks so simple that I fear some will not use it on that account. Last December our "best" cow had a very sore eye. It all swelled up, and water and matter ran from it all the time. The eye got so bad that the eyeball looked looked like a piece of raw beef. I made a poultice by boiling slippery elm bark and thickening with corn meal. I then coaxed my husband to hold it on the eye five minutes at a time, at first twice, then once a day, and finally once a week. The eve steadily improved and is now entirely well, though it had been entirely blind for some time.

BIG BEAVER, March 18th, 1885.

Remedy for Caked Udder.

LEONE.

To the Editor of the Michigan Farmer.

For caked udder in cows no remedy i so effectual as WARM GREASE mixed with zerosene oil, half of each. One or two pplications are sufficient. Rub it on oroughly. Have tried it and so speak from experience. Jos. Gunn.

Farm and Orchard Manure.

NAPOLEON, March 18th, 1885.

At the winter meeting of the Western New York Horticultural Society held at Rochester, Professor Roberts, of Cornell University, gave an excellent practica discourse, describing the system of manuring by which the exhausted university farm had been doubled in its crops. Wheat had reached forty bushels per acre, and they were now disappointed when it was not over thirty bushels. They had manfactured 466 tons of rich manure, and drawn it out on the land the past year. food given to the cattle, the cotton seed pounds of manure daily.

ments made had been effected with homemade manure carefully saved.

Prof. R. said that in common practice in farming, half of the materials of which manure is manufactured from the farm never gets back to the land to benefit the crops, and often only a quarter. To prove the difference in the richness of manure, an experiment was made with three portions of land, the first of which was left unmanured; the second was enriched with the common manure from the town; and the third with the best home-made ma nure from rich food, kept under cover The last mentioned gave a product as much greater than the town manure as this was better than the unmanured land. The manufactured manure is drawn out and spread on the land as fast as made time the spring accumulations remain in wheat in autumn. If the heap becomes too dry, water is thrown on it; and if it is found to ferment too freely, furrows are ploughed around the heap, and the earth thrown on it by the men in the spare portions of time.

· Warm Water for Cows.

One of two cows in France, giving the same quantity of milk and fed exactly alike, was supplied with water warmed to 60 deg. Fahrenheit; the other had hers cold. The former, after this experiment was begun, showed a milk return of onethird greater than the latter. The test was afterward repeated on other cows, at the Agricultural College, St. Remy, with the same result. I have warmed the water for a cow this winter to 60 deg. or 70 deg., and have done so because she greatly preferred it to water at 40 deg.. as it came from the well, or below, as it soon would be after pumping. When I began there was at once an increase in quantity of milk, amounting to about 20 per cent. Whether this increase was due to the fact that the water was warm or to the fact that she would drink a third more when the water was warm than when cold I am unable to say. Cows prepurchaser of the queen was also down in the list as the purchaser of Dexter at \$35,000, and year—in summer as well as in winter of Rarus at \$36,000, and he was the driving and will drink it more copiously, and a larger flow of milk follows. I have known a herd of cows to pass through a cold stream fed by a large and cold spring, and go some distance to a smaller and warmer stream to drink, doing so daily through hot weather. There can be no question but what warm water, or water at a temperature most agreeable to cows, will cause an increased flow of milk, but whether the increase is simply the result of dilution, or whether there is an actual increase of solids, I cannot say .- Prof. L. B. Arnold, in N. Y. Tribune.

> Setting Posts with a Sledge. A correspondent of the N. Y. Tribune who has lived in the west, says:

"The practice of driving fence posts was in vogue in Missouri a dozen years ago. The method was to take advantage of the soft condition of the soil in spring as the frost was leaving, or after a heavy rain. The necessary guide-stakes were set and a load of posts piled into the front end of a wagonbox, and a board, as for a seat, laid across near the rear end. Two hands were required, one in the wagon and one on the ground. Sometimes a crowbar was used to sink a hole. but more often not, though the former way is quicker and easier. The man on ply is not sufficient to meet the demand the ground should sink a hole with the and that the price of live poultry is relabar, working it around so as to enlarge the opening at the surface, and take a post handed to him from the wagon, set it into the hole by plumping it down as far as it can be made to go. He now steadies it while his companion, standing on the wagon seat, drives the post home. In this way two men, with team, can set from eighty to one hundred posts in a day and as the soil becomes dry the posts stand as firm as though tamped into holes excavated in the usual manner. My experience there was too limited to enable me to vouch for the permanent stability of a fence constructed in this way, but are the most profitable. Ten hens for a Western readers can possibly say from cock one year old and fifteen for one two their own knowledge just what it is."

Sir J. B. Lawes on Green Manuring. Says Sir J. B. Lawes, of Rothamstead, Eng., in the Country Gentleman, on the subject of green manuring:

"While mustard, buck wheat and other quick growing plants are sometimes sown and plowed in, these plants cannot be said to enrich the soil; they simply take up a little nitric acid, which becoming part of the plant, is thus better retained in the soil, as the crop when plowed in during the autumn months does not decay rapidly. It is, however, probable that the nitric acid retained in this way could be more cheapily obtained by 'direct purchase.

"The leguminous plants are the only plants which can be said distinctly to enrich the surface soil when plowed in; and I may mention that in a case where a crop of red clover was grown by us, and twice mown for hav, the increase of nitrogen in the surface soil was sufficient to be measurable by analysis, when compared with another part of the field where the grain crop was grown.

"Land after a certain time become clover sick, and it will also become sick of any other leguminous crop, if grown toe often; but it is a most singular fact that where one leguminous crop ceases to grow, another will thrive. We had a remarkable instance of this in one of our In addition to the clover, hay, and rich fields, which was bean sick, and as all our endeavors to grow this crop were in vain, and other materials-plaster was strewn | we at last decided to give up the attempt, in the stables, which Prof. Roberts and in place of the beans we sowed thought as good as any way to apply it to barley and red clover together; the reland. From each cow were thus made 80 sult was that the red clover sown with the barley was so luxuriant as greatly to By careful examination, the liquid por- interfere with its growth, and this too tions, which were carefully saved, upon land where we had been trying to good cockerels saved to stock the yards were then found on an average to be grow beans without manure for thirty next fall. Before setting the hens see equal to the solid parts. More than one- years! In spite of our having grown a Lee, Mass., have hired for two years the use of half the cost of the feed given to the cattle went to the manure, or, in other mulated in the soil which was more words, while the cost of the food of each favorable to the growth of another leguanimal was found to be 23 cents a day, minous plant, than to that of a cereal the manure from it was worth 16 cents. crop, thus adding another link to the early nests be made directly upon the

Agricultural Items.

At least once a year the granaries should have a thorough cleaning, to prevent the weevil from breeding in the bins, and in the grain stored.

CHICAGO butterine manufacturers to avade the law which requires them to have their packages branded with the name of the fraudulent stuff, displace one of the hoops, and after branding drive back the hoop and cover up the brand, thus technically complying with the law. There is more money in selling butterine than selling butter.

A MINNESOTA dairyman says that a cow to afford to keep any other cow in the light of intelligent profit. If a man has a taste for from September to February; after that keeping nothing better than a 150-pound-a-year cow, why let him do it. Yet Minnesota's 238,a covered yard, and are applied to the 547 cows average but 751/2 pounds of butter

PROF. E. M. SHELTON, of the Kansas Agrimeans thoroughly convinced that stall feeding of cattle can be profitably followed in the west, he is satisfied that many reasons urged against the practice are " notions." The average cost of buildings, even in Kansas, is not an insuper fully cover the expense of barn room; while the somewhat remarkable gain of 304 pounds per head in 14 weeks' feeding he attribute largely to the comfortable quarters the cattle occupied, in connection with the regular meals of ground feed.

MEMBERS of the Elmira Farmers' Club who have long experience in extensive dairies, agree in thinking that the enormous butter yields tests, resulting in four or five pounds of butter in a day from the milk of a single ow, and this yield maintained a week, were, to say the least, misleading. Mr. Owen illustrated the deceptive character of milk tests when efforts are made to obtain the largest ossible yield for a given period by an observation made at a State fair where placards were displayed in front of a stall which contained a cow with a remarkable milk record. He asked the exhibitor to permit him to attend at the milking, that he might have the gratification of knowing what was claimed was really true. The exhibitor said in reply: "Oh, I can not show you now, for the cow does not give such mess as was recorded during the test." further inquiry, Mr. Owen found that the record was made four or five years before, and after that time the cow had never given an ordinary yield. His conclusion was that a cow forced to enormous production of milk, or of butter, for a few days, received permanent mjury, depreciating her value for future use, as in the case observed.

Wale's Honey the great Cough cure, 25c., 50c. & \$1 Glenn's Sulphur Soap heals & beautifies, 25c. GermanCornRemover kills Corns & Bunions Hill's Hair and Whisker Dve-Black and Brown, 50c. Dean's Rheumatic Pills are a sure cure, 50c.

The Poultry Pard.

Magnitude of the Poultry Business

If we begin to talk to the farmers about the profits in poultry raising they usually smile and call it "pretty small business." According to the best information we have the total value of poultry products last year in the United States was \$800. 000,000, and this amount was insufficient to supply the demand, as there were \$3. 000,000 worth of eggs imported from for eign countries. Does that look like smal business? When we consider that the supively much larger than that for cattle sheep or hogs, there is yet an opportunity for nearly every farmer to give his wife or children, or whoever has charge of the poultry department, a little more range, A few words of encouragement is worth a good deal, and the small amount of money required to carry on the business by way of coops, yards, runs, etc., will be well spent.

SEASONABLE HINTS.

Those who have contemplated rearing pure-bred stock and have not mated their birds should do so at once. Early hatches years old are all that should be allowed if you expect to have your eggs fertile.

Nests for setting hens can be made in a small box that has been thoroughly cleansed and rinsed with water that has a teaspoonful of carbolic acid to the quart. Make the nest of fine dry straw and sprinkle in it a small amount of sulphur Otherwise lice are likely to trouble your

young chicks. Milk should be fed liberally at this time of the year. It contains everything essential to promote the growth of flesh. bone and muscle. The albumen of the milk is easily changed into that of the egg by the laying hen, and when fed to the growing chicks will aid them in the process of development.

To feed for eggs give oats, fine middlings scalded but not made too thin, boiled potatoes and an occasional feed of meat of some kind. If you wish to fat your fowls give corn at night, soft feed in the morning and keep them closely confined from ten to fifteen days. If kept confined longer they will lose flesh again. Vigilance is the price of success, and as

the warm weather approaches the poultry houses should be cleaned and the perches should be cleaned, whitewashed and washed with carbolic acid water, the nests cleansed for the present, and everything arranged in good order for a success ful season.

THE American Cultivator advises us that early chickens will make the best fowls next winter, so it is well to begin now to set such hens as are ready, even if no chickens are to be raised for market. As early chickens sell at good prices, try to raise enough of them so that the inferior ones may be culled out and killed, and only the best pullets and a few extra that the nests are well cleaned out, and whitewashed, if possible, to free them from vermin. Then throw in a handful of ground sulphur and put in clean chopped straw or hay. It is better that the placed in the bottom of the nest, as it

holds heat and enables the egg to have the proper degree of warmth below as well as above. It is also much better during the absence of the hen while eating. In July a hen will hatch an egg upon a bare board, but she cannot do it in March, unless the room is warmer than is usual with henneries. She cannot keep as many eggs warm now as she would two months

THE American Cultivator says: We are not aware that any incubator has yet been invented or constructed which forms an economical or reliable substitute for the mother hen. Where a person's time is be a good dairy cow must produce at least 200 worth fifty cents a day, we do not believe bounds of butter each year. No man can the competition with the hen is either remunerative or satisfactory. All incuba tors thus far constructed require much care and attention. Many of them are extremely dangerous in their construc. tion, and practical poultry raisers have lost faith in their value. Thus, the late fire at the Massachusetts State Agricultucultural College, says that though he is by no al College at Amherst, causing the loss of upwards of \$30,000, resulted from the explosion of an incubator lamp. So far as at present advised, we recommend our readers to continue the hatching of chickens able obstacle, as he believes \$1 per head will by the old process, leaving to those who have plenty of time and money the artificial modern methods.

Col. F. D. Curtis says in the Rural New Yerker: "Now, when white wheat is so cheap, is the time to 'lay in' a store, and have it ready for the poultry. It is the best grain for fowls to make them lay eggs. Corn is more apt to produce apoplexy, or a disease of a similar nature, which causes them to fall from the roosts dead. When I fed all corn, the loss from this disease was considerable; but last spring, when feeding wheat screenings, I did not lose one. I have set aside 15 bushels of the poorest wheat for feeding the hens."

EVERY breeder should introduce new blood into his stock, by changing cockerrels every year or two, for it is a benefit to them and serves to make them stronger and hardier, no matter whether he keeps pure bred varieties or simply the commo stock.

THE difference in the weight of a large turkey and a small one, is an important matter, as the turkey is an industrious forager, and picks up the greater portion of his food, which brings the actual cost of production to a low sum when large and small weights are compared.

Indiana took most of the prizes in the poultry department of the New Orleans exposition.

The removal of Prof. Sanborn, of N. H. after being pronounced incurable by a score of physicians, from Las Vegas, N. M., to his home, was effected by administering Dr. Harter's Iron Tonic, which has restored him to his former good health.

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class at N.Y. State Fair and Western N. Y. Fair in 1883; also let prize in two-year-old class at same exhibitions in 1884.

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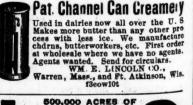




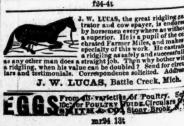


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Forticultural,

March 24.

Cranberry Culture. This subject was discussed at a m of New England farmers in Bost cently, and fully reported in the I men of that State. Mr. Chamb who is largely interested in craculture, delivered a lengthy address These are three indispensable inc

of what is necessary for the succ raising of cranberries. You want for the purpose of protecting your so that you can flow your bog and tect them from freezing, and after in the springtime, for the purpo killing the vermin that infests the You need to protect the crop when severe frosts come on suddenly, by ing the bog rapidly and covering berries and saving them. White bog, in Plymouth County, has bee peatedly flowed over several times erops of cranberries have been save were worth \$14 to \$16 a barrel, whi neighbors lost all their berries be they could not flow their bogs ray Water is the first necessity. The second requisite is the soil.

if it dries, may affect your vines. I have a clayey soil, I imagine tha vines would grow poorly. If you simply common loam, the vines probably grow, but I don't believe is enough fertilizing power in loa make the thing a great success. swamp, which has peat, there is prol enough necessary soil, unless it is a

The third necessity is sand. Per now, in order to show you abou sand, I had better tell you how we pare a wild cranberry bog to receive vines and raise the cranberries. posing you have got an ordinary sw covered with trees or with bushe some sort from six feet high down t inches. This bog may, perhaps covered with mounds with long m in billowy hummocks, with which are acquainted. Such a bog was min cut down the trees and took them of dug up the stumps. If the bog is cov with large shrubs, you can either cut down or dig them up. If you cut the you can either cut the stumps or them up. If they are ordinary bushes I would take a bog hoe and them up and turn them bottom side Then I would ditch the bog, with ditches about three rods apart. I am posing that we have a stream of wa because such a stream is of great portance. I would ditch from the up down to the main stream, as I said, a three rods apart. A good many men a ditch around the top of the bog for purpose of preventing wild stuff getting on the bog, and preventing waste and the water from the hills f coming in.

There you have your bog mead Now we will proceed to put on the s I said that sand was the third condi of cranberry growing. Loam will no because it brings in weeds and gra-Loam is cooler than sand or gravel, probably gravel is better than fine because it has more heat in it, and I agine also because it does not pack closely about the vine. At any rate vines will grow better with this coa sand which we call gravel. Of course Cape Cod we have some sand, as all world knows. We go on to the hill: get the sand. If you put on only three inches of s

in order to save money, that bog will out a great deal faster than if you pu eight or even five inches. But you your first crop sooner with three incl and get it sooner and larger than. otherwise would. That, I think, is law in regard to depth of sand. We to the hills for sand, and wheel it into bog on plank, and level it all over al Then we proceed to plant the We take an ordinary marking instrum and draw lines at right angles to e other and mark out the bog, someth like a checkerboard. We mark it so the lines will cross each other where want to put the plants. We then set the plants 12 or 14 inches apart each w We go to some other bog to get our sto and, in my case, we went to the New bog for our vines. They were perfe ready to sell them to us. They too knife or scythe and mowed them out some places, where they thought they co easily spare them. They mowed them and sent them to us, and they were o lengths, from one foot to three i Then a man with a stick or prong at a foot and a half long, thrust it down to the bog until it reached the mud. T he took a handful of these vines, know how many by experience, pushed them down into the soil smoothed it over about them. If push the vines only into the sand t will die. You must push them do

into the mud. Then you must scatter sand about them and leave it level on t Keep the weeds out or you will get berries. We have men and women go to the bog, dig out grass and weeds, carry them ashore. The first year a you plant your vines you may get a berries, but they will not amount much. The second year you will only a few, and even the third year t amount to a little more. The fou year is the first year for a full crop. must keep your bog clean, for a dirty is costly and unprofitable. Cranber have a great aversion to shade.

Celery Culture.

Mr. S. Bickley, who has had fifty ye experience in celery culture, read a pa on the subject at the winter meeting the Genesee County Horticultural ciety, held at Flushing last month, which he said:

"Celery is a water plant, hence thriv best in a low, moist, cool situation If raised on upland, and the weather dry, it should be watered once a we Nothing is gained by planting too ear Rich and sandy soil will furnish cele that is very solid, if planted about t middle of July. Low land will grow larger and finer, but not so solid, unle

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Cranberry Culture.

This subject was discussed at a meeting of New England farmers in Boston, recently, and fully reported in the Plough. man of that State. Mr. Chamberlain. who is largely interested in cranberry culture, delivered a lengthy address. He

These are three indispensable incidents of what is necessary for the successful raising of cranberries. You want water for the purpose of protecting your vines. so that you can flow your bog and protect them from freezing, and afterwards, in the springtime, for the purpose of killing the vermin that infests the vines. You need to protect the crop when very severe frosts come on suddenly, by flowing the bog rapidly and covering your herries and saving them. White Island bog, in Plymouth County, has been repeatedly flowed over several times, and were worth \$14 to \$16 a barrel, while the neighbors lost all their berries because they could not flow their bogs rapidly. Water is the first necessity.

The second requisite is the soil. Peat. if it dries, may affect your vines. If you have a clayey soil, I imagine that the vines would grow poorly. If you had simply common loam, the vines could probably grow, but I don't believe there is enough fertilizing power in loam to make the thing a great success. In a swamp, which has peat, there is probably

The third necessity is sand. Perhaps, now, in order to show you about the sand, I had better tell you how we prepare a wild cranberry bog to receive the vines and raise the cranberries. Supposing you have got an ordinary swamp, covered with trees or with bushes of inches. This bog may, perhaps, be povered with mounds with long mosses in billowy hummocks, with which you are acquainted. Such a bog was mine. I cut down the trees and took them off and dug up the stumps. If the bog is covered with large shrubs, you can either cut them down or dig them up. If you cut them, you can either cut the stumps or dig them up. If they are ordinary low bushes I would take a bog hoe and dig them up and turn them bottom side up. Then I would ditch the bog, with the ditches about three rods apart. I am supposing that we have a stream of water. because such a stream is of great importance. I would ditch from the upland down to the main stream, as I said, about three rods apart. A good many men put a ditch around the top of the bog for the purpose of preventing wild stuff from getting on the bog, and preventing the waste and the water from the hills from

There you have your bog meadow. Now we will proceed to put on the sand. I said that sand was the third condition of cranberry growing. Loam will not do, because it brings in weeds and grasses. Loam is cooler than sand or gravel, and probably gravel is better than fine sand because it has more heat in it, and I imagine also because it does not pack so closely about the vine. At any rate the vines will grow better with this coarser sand which we call gravel. Of course on Cape Cod we have some sand, as all the get the sand.

in order to save money, that bog will run out a great deal faster than if you put on eight or even five inches. But you get your first crop sooner with three inches, and get it sooner and larger than. you otherwise would. That, I think, is the law in regard to depth of sand. We go to the hills for sand, and wheel it into the describes a convenient method of keeping Then we proceed to plant the bog. We take an ordinary marking instrument | very simple: and draw lines at right angles to each berries, but they will not amount to

Celery Culture.

have a great aversion to shade.

Experience in celery culture, read a paper on the subject at the winter meeting of the Genesee County Horticultural So-. ciety, held at Flushing last month, in which he said:

Rich and sandy soil will furnish celery

a trench, put in well composted manure to which about one-eighth of lime or salt the plants about four inches apart, pack ing the soil well about them. Cultivate well six weeks, then draw soil up against the plants to keep them growing in an upright position, being careful that no soil gets between the stalks. That needed for summer use should have the soil drawn up occasionally around it with a hoe. Celery should be cultivated often, otherwise it will not be tender and nice. For summer use the White Plume is the best variety; for fall and early winter, Turner's White; for the late winter and spring, Carter's Crimson. For winter use the celery should be placed in an upright position, in a narrow trench, dug in dry, sandy soil. The tops of the stalks should be even with the surface, and be covered at first with forest leaves. As the season crops of cranberries have been saved that advances a covering of straw can be added. When it becomes colder, more straw can be piled on. Celery stored in a cellar is apt to become mouldy, cr acquire a 'cellar taste.'"

> Strawberry Culture. Matthew Crawford, a well known New

York nurseryman, grows strawberries as

"Select ground that is suited to the potato, and as early in the spring as it is fit to work, plow it as deep as possible enough necessary soil, unless it is a clay without bringing the poor subsoil to the surface. After plowing spread over the surface a heavy coating of well-rotted manure, or its equivalent in bone dust and wood ashes. This should be thoroughly worked into the soil with the harrow or cultivator, after which the surface should be left smooth. It should then be planted to strawberries, three feet some sort from six feet high down to six by four, with rows running both ways. Choice should be made of a vigorousgrowing sort, and only strong, healthy plants that have not been dried or injured in any way should be used. It is very important that the crown be not covered, or failure will follow. Immediately after setting the strawberries, plant a hill of early potatoes between every two plants, in the narrow space-leaving the wide space for the cultivator. The surface should be kept well stirred with the cultivator and hoe, and every blossom and runner cut off as it appears, until the potatoes are dug in July. By that time the plants will be very strong, and able to send out several large healthy runners at once. If there be any white grubs in the soil they will be found in the hill of potatoes and it is well to look out for them. After digging the potatoes, cultivate the ground both ways until it is as fine as ashes, after which the cultivator is to be run in the wide space only. The runners will soon fill the space occupied by the potatoes, and as the strip of plants grows wider, the cultivator must be narrowed up; and if any weeds come up among the plants they must be removed with the hoe or by hand. All deep cultivation must be discontinued in September lest the surface roots be disturbed, and no stirring among the plants should be done in the spring. If weeds appear shave them off with the hoe. If, however, the bed is mulched as it should be, there will be no trouble from weeds. As soon as the fruit is picked, plow up the bed and sow is to buckwheat, Hungarcrop. In this way the land produces other method only one is obtained."

> Keeping Accounts with Berry Pickers.

log on plank, and level it all over alike. accounts with berry-pickers, which dispenses with "tallies," books, etc., and is

"Provide plenty of stands, so that the other and mark out the bog, something pickers can each take two with them like a checkerboard. We mark it so that when they go in the field. When pickers the lines will cross each other where we come to the shed with the berries, give want to put the plants. We then set out them a check for each stand and let them blossoms are very large and fine, desirable The list of novelties is quite full. It the plants 12 or 14 inches apart each way. take two more from the place where they We go to some other bog to get our stock, are kept, ready filled with boxes. They and, in my case, we went to the Newton | can then go to their work again, without bog for our vines. They were perfectly a moment's delay. My checks are made ready to sell them to us. They took a of sheet brass or copper, round, and of knife or scythe and mowed them out in two sizes, & and & inches in diameter. some places, where they thought they could They are stamped with a steel die; the easily spare them. They mowed them out large ones with the number 4 and the and sent them to us, and they were of all word quarts, underneath; the small ones lengths, from one foot to three feet. with 1 and the word quart. The small Then a man with a stick or prong about checks are made from metal that is tinned a foot and a half long, thrust it down in on both sides, to distinguish them more It blooms freely all summer, and its deep to the bog until it reached the mud. Then readily from the larger ones. Each check he took a handful of these vines, you has a hole, near the edge, so that it can showy hips which are a glossy red when know how many by experience, and be placed on a ring, carried by each ripe. Its netted green leaves are beautipushed them down into the soil and picker. The rings are made of steel wire, ful alone, and much used as foliage for smoothed it over about them. If you with hooks attached, to fasten in a but-Push the vines only into the sand they ton-hole, or where most convenient for as corsage bouquets. will die. You must push them down the picker. When they go to the field in into the mud. Then you must scatter the the morning I give each one a check ring, sand about them and leave it level on top. and when they receive their checks they Keep the weeds out or you will get no place them on the ring. By the above berries. We have men and women go on method a correct account of their work sun can shine upon them, are the worst to the bog, dig out grass and weeds, and is kept, with no chance for misundercarry them ashore. The first year after standing or cheating. As the account deyou plant your vines you may get a few pends on the number of checks entirely, Detries, but they will not amount to pickers are careful not to lose them. The of the cellar will restore them, though of much. The second year you will get small checks are used when finishing up course a frost will blast buds and retard only a few, and even the third year they a field, as the pickers then often come to growth for a short time. amount to a little more. The fourth the shed with one or two boxes filled. I year is the first year for a full crop. You usually pay every evening, taking up the must keep your bog clean, for a dirty bog checks, and place them in a box, ready the Country Gentleman, is a minute insect, is costly and unprofitable. Cranberries for the next day's work. The first cost of invisible to the naked eye, but exceeding Mr. S. Bickley, who has had fifty years large crop of berries without them."

Alaska Forests.

Alaska forests contain enough timber to supply the word. The forests of pine, fir, spruce and hemlock, cover every "Celery is a water plant, hence thrives | island of the archipelago. The trees are best in a low, moist, cool situation. straight and tall, and grow close together. dry, it should be watered once a week. is at Douglas Island, and so far there has pearance. Nothing is gained by planting too early. not been a cord of timber cut for shipment. The trees, as a rule, do not THE Gardeners' Monthly reminds us

planted later in the season, about the much of it is available for building pur- the seed to rot; it is therefore advisable to persons in their zeal to make garden early last of July or first of August, but no poses. There is little decorative wood, save a few of the seeds of each variety will plant corn, beans, cucumbers and other later. In deep, rich soil it is advisable although the yellow pine is richly colored for a second planting, should such be tender vegetables at the same time as they do

> lock, there is a large supply and the bark culture of border plants. compares favorably with that of the eastern trees, used in tanning establishments.

None have yet attempted to compute be they will not be necessary for years to only approximately the value of our possessions to-day, the forests must be conterritory.-San Francisco Chroniele.

Special Garden Manures.

Some valuable statements were made at a recent meeting of the Massachusetts Historical Society on fertilizers for the asparagus was quoted, in which the ashes from the roots and tops of this plant were said to contain more than fifty per cent. of potash, which nearly accords with the analyses of other chemists for cultivated asparagus, and which shows the importance of supplying it where soils have not a sufficient quantity. President Moore said he had an acre and a half of this vegetable, never manured, but treated with phosphate and potash, and it is lowing: growing finely. He said that animal manures generally contained plenty of potash; and when thirty cords are applied to an acre, they receive a good sup ply. W. H. Hunt strongly recommended bone and potash for pear trees, and he had thus made his fruit fairer and better Mr. Hells had a Benoni apple tree in soil so poor as to make neither wood nor fruit. to which a peck of ashes was applied. The next year it mades a foot in growth and bore a heavy crop. It was just the thing for this particular soil. We have known ashes to double the growth of pear trees in one locality and produce no effect in another.

Cabbage Worm Remedy.

Prof. C. V. Riley states, in the Rura New Yorker, that one of his correspond Post, N. Y., has accidentally hit upon so simple and yet, according to his experi ence, so perfect a remedy for the importexperience as much publicity as possible, he narrates) simply ice-cold water, or included. water but a few degrees warmer than icewater, sprinkled upon the worms during the heat of the day. Mr. Erwin found world knows. We go on to the hills to and sow is to buckwheat, flungar one which in cheapness and simplicity perience, are given. There is also a fine the new, at lowest cash prices. Price list free to the hills to any lowest cash prices. planted to celery, pickles or any second far transcends the pyrethrum, which, colored plate of the new seedling hybrid all on application.. Address three crops in two years, while by any purpose in 1880, has been, on the whole, our safest and most satisfactory remedy against Pieris rapæ. Where ice is readily obtainable, as in the more Northern States, or where cold springs are found, Mr. Erwin's discovery will prove of very A correspondent of the Fruit Recorder prove as useful against some other cab bage worms."

FLORICULTURAL.

THE Garden (Eng.) says a good word for the tall, late flowering pæonies, which are very showy and desirable plants. The also for showy decorations.

Clematis coccinea is a beautiful vine, perennial, but dies down to the ground every season. Both foliage and flower are charming, and the vine will often make a grouth of fifteen feet in a season.

THE Japanese or Ramanas rose is the best and the sweetest of the single roses. rose red flowers are succeeded by large, other varieties of roses, which are worn

A CORRESPONDENT of the American (ul tivator says: Bringing frozen plants to the fire, or letting them remain where the things that can be done for them; but a good sprinkling with cold water, and a stay of two or three days in a dark sorner

VERBENA rust, says Wm. Falconer in these checks is more than for tickets, but ly destructive to verbens, heliotrope, pe they will last for years, and are so con- tunia and pelargonium leaves. So far, we venient that I would not try to gather a have found no specific for the evil. Mr. Henderson is trying the effect of fir-tree have been dipped in or washed with the diluted preparation, have grown out of their rustiness and assumed natural vigor, whereas some left unwashed for experi-If raised on upland, and the weather is The only saw-mill at present in operation ment's sake retain the rusty, sickly ap-

Alaska spruce is an excellent variety affording a succession. A change of soil and often measures five feet in diameter. is beneficial to the garden; the verbena, has been added, cover with soil, and set It is considered the best spruce in the especially, thoroughly appreciates a new world, and the supply is abundant. In soil. The first two inches of the surface the interior of the country timber is of soil of an old pasture, with one-third of much heavier growth than near the coast dark, black humus from an old wood, and on the islands. Regarding the hem- gives very satisfactory returns in the

> "CROPPIE," in the N. Y. Tribune, says: Comparatively few people are so circumthe value of the Alaska forests. It may stanced that they can command a liberal supply of greenhouse bedding plants, come, but whenever wood grows scarce and the next best thing is to set a hotbed region will be found ready at hand and rich soil, on which should be placed the latter as firm as possible, and insert cuttings of various kinds, such as coleus, sidered. Practically inexhaustible, they alternantheras, achyranthes, ageratums. add most materially to the wealth of the etc., and in a few days they will have formed roots, and the little fibres soon un down into the soil. Care should be taken never to allow them to suffer for want of water, and at the same time not to saturate them unduly, either extreme garden. Prof. Goessman's analysis of mild weather tilt the sash slightly to admit fresh air and cover at night with mats or old carpets. By planting time, say the last of May or 1st of June in this latitude, they will be in fine condition to stand the full sun and air.

> > Received.

Among the catalogues of nursery and seed firms, recently received, are the fol-

CATALOGUE and Price List of Grape Vines and Small Fruit Plants. George Josselyn, Fredonia, N. Y. Makes a specialty of grape vines, giving list and description of all valuable varieties, both for amateur and commercial growers. Handsome, neatly arranged catalogue, with fine colored plate of Fay's Prolific current.

DESCRIPTIVE Catalogue of Grape Vines and Small Fruits. T. S. Hubbard, Fredonia, N. Y. Mr. Hubbard prides himself on sending out none but first class stock, healthy and well ripened, and warranted true to name. He furnishes the Niagara, the new white grape, and the well recommended Prentiss, and his catalogue gives full directions for culture.

CRAWFORD'S Small Fruits. Matthew ents, Mr. Charles H. Erwin, of Painted Crawford, Cuyahoga Falls, N. Y. Comprises multum in parvo, since in its closely printed pages are found lists of all standard varieties of small fruits, with ed cabbage worm "that I wish to give his concise directions for culture. A copy of Mr. Crawford's essay before the Mississithat it may be widely tested, and, if pos ppi Valley Horticultural Society at its sible, verified the coming season. It is late annual meeting, on "Small Fruit (to sum up an extended experience which | Culture as a Business for Women" is also

CATALOGUE of Select Roses. Ellwange & Barry, Mount Hope Nurseries, Rochesthat such an application in the hot sun ter, N. Y. This firm, so well and favorcaused them to quickly let go their hold bly known, have prepared a very attrac upon the leaves, curl up, roll to the tive list of their roses of the most distinct ground and die, while the cabbages suf- and valuable kinds. This list is so arfered nothing, but looked all the fresher ranged that it is easily ascertained whether for the application. Should this method a rose is hardy or semi-hardy, budded on prove as successful with others as it has its own roots or on the Manetti; and with him, it is evident that we have here directions for culture, which will save since I first discovered its value for the remontant rose Marshall P. Wilder. Descriptions of the various classes of roses are included.

CATALOGUE of Grapes and Small Fruits. Louis Roesch, Fredonia, N. Y. A brief but comprehensive list of leading varieties great value to cabbage growers, and will of small fruits, with price list. The Niagara grape is also furnished.

> BOWDITCH'S Floral Catalogue. W. E. Bowditch, 615 Warren St., Boston, Mass.. This is a book of 128 pages, voluminously illustrated, giving descriptions of our floral favorites and novelties, and including also seeds for the vegetable garden. seems almost incredible that so handsome and expensive a catalogue should be distributed gratuitously, yet such is the case. It is well worth sending for, and will certainly induce an attack of "floricultural fever."

> > Horticultural Notes.

THE ravages of the grapevine flea beetle which eats out the buds before they are open-ed, can be effectually checked only by handpicking, carefully and promptly attended to.

THE cheapest pork is that made from pigs which have been fed all that they would eat. If it does not pay to make pork by liberal feeding it does not pay to make it at all, and it had better be given up.

Boston, it seems, does not take kindly to Kalamazoo celery. It does not interfere with the sale of the home product, which Bostonians claim is finer in flavor and more crisp-Nor do they like the manner in which it is grown, the Boston celery possessing the peculiarity of "stooling out," or sending up many suckers.

ONE of the latest illustrations of the value of wood ashes is that the cherry may be caused to bear abundantly by applying a liberal dressing to the soil. That it is of greatest advantage to apple, pear and peach, admits of no argument, and we have abundant proof of its value as fertilizer for the smaller fruits, as well as for the vegetable garden.

THE Gardeners' Monthly says small shrubs Henderson is trying the effect of fir-tree oil, a foreign and much reputed insecticide, upon it, and feels encouraged by his may be had in a blooming state all the year, experiments; the infested plants that and shrubs give it a greater interest by their variety than is obtained by the too frequent error of filling up with two or three trees of gigantic growth. Plant thickly at first and thin out as they grow older. Masses of shrubs have a fine effect on a small place.

A CORRESPONDENT of the Indiana Farms says that for the garden fall plowing is to a certain extent, drainage, fertilizer and insect that is very solid, if planted about the have large dimensions, and will not almiddle of July. Low land will grow it ways cut up into good sized boards. For started the finer they flower. Sometimes him that to manure and plow in the fall save larger and finer, but not so solid, unless fuel, however, the wood is excellent, and cold wet weather after planting causes labor and increases the crops. He adds: "Some

THE Country Gentleman thinks the loss of the peach crop for the current year may be in some measure offset by the rest to the trees, and the opportunity offered to shorten in the branches, cut out side shoots and bring the trees into handsome shape, work which they are apt to neglect because they cannot bear to lop off masses of fruit buds in a bearing year. Michigan fruit-growers who count this their second or third consecutive lost crop, will find but co'd

THE township of Sparts, Kent County, is largely interested in peach culture, there being a number of commercial peach orchards within elsewhere, or whenever civilization from 1st to middle of March, covering the last three years, fewer trees than usual will be fasten itself on Alaska, the timber of the manure with three or four inches of good declare the present a good time to plant peach existing in rich profusion. Calculating about two inches of clean sand. Pound trees, saying after several hard winters we are almost certain to have a few years of immunity from severe frost, and that it is a mistake to be frightened by the hard winters.

Or Johnson grass, just at the moment so much inquired about by tarmers, the American Cultivator says: "This grass, which is being introduced as a novelty in the North, is only too well known to Southern farmers, who re gard it as a pest almost as hard to get rid of as proving disastrous. On the approach of quack. There is some doubt whether Johnson grass is hardy. Should it prove not to be, it is the strongest point that can be urged in its favor. Its lack of hardiness may give some hope of its eradication in the Northern localities where it is being disseminated."

> ROBERT JOHNSON gives an illustration of the value of mellow and cultivated soil for pre serving moisture in drouth. A portion of his ground was full of weed seeds, and to give the strawberries and vegetables a fair chance he had to keep up constant cultivation. The season was very dry; and so great was the centrast between this portion of his garden and the rest, that persons who passed and sav the difference, would hardly believe that it was not in consequence of the mellow and cultivated portion being watered, although no water was given to it.

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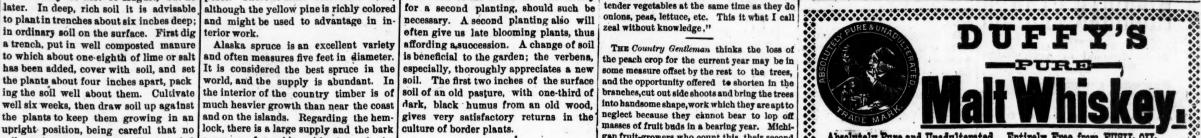


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State Journal of Agriculture JOHNSTONE & GIBBONS Publishers

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* Subscribers remitting money to this office uld confer a favor by having their letters regis tered, or procuring a money order, otherwise we

P. B. BROMFIELD, Manager of Eastern Office, 21 Park Row, New York.

Che Michigan Farmer

State Journal of Agriculture.

DETROIT, TUESDAY, MARCH 24, 1885.

WHEAT.

The receipts of wheat in this market the past week amounted to 90,850 bu., against 80.873 bu. the previous week and 103,329 bu. for corresponding week in 1884. Shipments for the week were 25.851 bu. The stocks of wheat now held in this city amount to 1,172,265 bu., against 1,123,643 last week and 738,744 bu. at the corresponding date in 1884. The visible supply of this grain on March 14 was 43,772,372 bu. against 43,628,570 the previous week, and 30,236,660 bu. at corresponding date in 1684. This shows an increase over the amount in sight the previous week of 43,802 bu. The export clearances for Europe for the week ending March 14 were 350,333 bu., against 485,181 the previous week, and for the last eight weeks they were 5,633,668 bu. against, 5,-909, 195 for the corresponding eight weeks The volume of business in wheat ha

been larger than for some weeks, one or two days showing considerable activity; but the close of the week showed a dull market and declining values. Sales for the week were 165 cars of spot and 720,000 bu. of futures. Closing prices on Satur day were generally ic lower than a week ago. Chicago has been active the past week, with values fluctuating rapidly, and closed on Saturday with prices back to about the same points as last week. Yesterday this market was quiet at the opening, with values slightly higher than on Saturday, and finally closed 1@4c higher than at the close of Saturday. Last sales were at 87%c for spot No. 1, 88c for April delivery, 89%c for May, and 90%c for June. Advices from other points were favorable to sellers. At Chicago the market opened firmer, and at the close had advanced 11c from Saturday's figures. No. 2 red sold there at 78tc per bu., and No. 3 do. at 711@72c. At Toledo wheat was quiet and firm with No. 2 red at 781c per bu., and No. 2 soft at 85@951c. Liver-pool was quoted steady and firm, with fair demand.

The following table exhibits the daily closing prices of wheat from March 2 known in the trade. There has been a to March 23:

	No. 1		No. 2	No. 3
	white.	white.	red.	red.
Mar. 2	85		84	75
* 8	851/6		85	
4 4			88	76
" 5			871/2	76
" 6			801/2	76
6. 7			86	76
" 9			86%	
" 10			8716	76
. 11			8814	
. 64 12			89	
" 13			88	
" 11			86	
." 16			86	
** 17			86	
- 4 16	Com		86	751
A 19	Charles .		8614	754
- 44 20			861/6	,
44 21	Own		85%	
** 23		****	86	753
Tibe follow		amant	giros	th

nt gives closing figures on No. 1 white each day of the past week for the various deals: March April May. 87% 89%

Thursday 87%	8814 8814	899 899 90
Friday Saturday Monday	88	89
For No. 2 red the closing pr		
marious deals each day of the	nast	wee
various deals each day of the were as follows:	-	
were as follows:	past April 87	Maj
were as follows:	-	May

86 88 The following estimate is generally accepted as a substantially correct one res pecting the grand aggregate of wheat and wheat flour in the United States on March 1st of this and last year:

Wheat stocks, farmers. 162,000,000
Wheat in visible supply. 43,000,000
Wheat in flour stocks. 38,000,000

195,000,000 Total bushels 243,000,000 The situation in Europe is still very critical. Great Britain is making extra ordinary preparations for war, and force are being hurried to the Afghanistan frontier by both England and Russia. The cable reports of the past few days are less warlike, but it is noted at the same time that neither nation relaxes its exertions to place its army and navy on a war footing A few days may precipitate hostilities, or may see an amicable settlement, but the distrust these two nations entertain of each other will probably lead to considerable forces being left in garrison at the disputed point for some time. The war in Egypt is rapidly becoming one of some magnitude, and must exercise an import ant influence upon the demands for breadstuffs. It is a notable fact that while ou markets at the end of the week are tend ing downwards, Liverpool is quoted steady with a good demand. We would not be surprised to see an advance in prices before the first of May, while there is very little probability of any permanent

decline in values. Reports from the winter wheat States speak of considerable areas being injured

to the effects of the winter. Fortunately the fields of this State have been well pro

CORN AND OATS.

country on March 14 amounted to 8.412.

478 bu. against 7,387,869 bu. the previous

date last year. The visible sup-

ply shows an increase during the week

of 1,024,609 bu. The exports for Europe

the past week were 1,928,160 bu., against

1,439,063 bu. the previous week, and for the

past eight weeks 14,154,045 bu., against 5,

191,824 bu. for the corresponding period

in 1884. The stocks now held in this city

amount to 98,717 bu., against 40,647 bu.

last week and 145,747 bu. at the corres-

ruled quiet and unchanged, with no feat-

sight shows an increase, but is vet only

date last season, while the exports aver-

age nearly three times as large. It really

ket is very quiet at a range of 431c for No.

2 and 431c for new mixed. In futures No.

2 for April delivery sold at 44c, and May at same figures. The Cilicago market is

quoted lower, with spot No. 2 at 371@391c

per bu., March delivery at 37%c, April at

371c, and May at 411c. At Toledo the

market is dull and lifeless, with no sales

reported. The Liverpool market vester-

day was quoted firm at 4s. 6d1. per cental

for new mixed, and 5s. 84d. for old do.,

and no change on new mixed from the

The receipts of oats in this market the

past week were 22,880 bu. against

21,795 pu. the previous week, and 8,647

bu. for the corresponding week

in 1884. The shipments were 8,

108 bu. The visible supply of this

grain on March 14 was 3,020,409 bu.,

against 4,993,518 bu. at the corresponding

date in 1884. Stocks in this city on Mon

day amounted to 24,043 bu., against 30,

583 bu. the previous week, and 21,351

bu. at the corresponding date in 1884. The

exports for Europe the past week were

201,998 bu., and for the last eight weeks

were 754,013 bu., against 1,496 bu. for

the corresponding weeks in 1884. The

visible supply shows an increase of 88,

955 bu, during the week, while exports

are increasing beyond anything ever

quiet if not a sluggish market, and no one

seemed to want stocks, although the out-

look seems very favorable for holders.

The long winter, the active demand for

shipment abroad, the fact that hav is giv

ing out with many farmers and advanc-

ing rapidly in value, all favor a large con-

sumption of this grain. But the general

apathy prevailing in all lines of trade

makes purchasers very cautious, and they

keep close to the shore for fear of financial

storms. For No. 1 white 44c is paid, and

for No. 2 mixed 321c. At Chicago the

market rules quiet, and closed Saturday a

DAIRY PRODUCTS.

condition as for a number of weeks past.

Choice stock is scarce, but, on the other

hand, stocks of low grade butter are large

enough to swamp the trade. For the best

of the ordinary receipts 15@16c is the

lb. Such prices are not calculated to make

butter-makers happy. Creamery butter

(and it is probable this includes a good

deal of really choice dairy stock) is quoted

at 28@30c per lb., and is not offered in any

great quantity. If this market shows de

pression it is not alone in that respect.

The Chicago Tribune says of that market

'Rarely has the butter market been more

horoughly depressed than now. There is

absolutely no shipping demand, and the

nurchases of local dealers do not go be-

yond meeting the most pressing wants.

Prices there remain weak and unsettled,

ranging as follows: Creamery, fancy, 27

@28c: do. common to choice 22@25c

dairy, choice to fancy, 20@23c; dairy, fair

to good, 16@18c; common grades, 12@14c;

packing stock, 8@9c; inferior, 6@7c. The

New York market is in an unsettled and

very unsatisfactory condition. Values are

declining day by day, and holders are

pushing stocks to clear them off as fast as

age exports and help to get rid of the sur-plus. So far it has not done so to any ex-

tent. Quotations on State stock in that

market are as follows:

ossible. The lower prices may encour-

mixed, 38tc.

prices reported a week ago.

ponding date in 1884. The market has

week, and 16,380,809 bu at the same

grades. Quotations are as follows: The following table shows the prices ruling at Liverpool on Monday last, as compared with those of one week previ-Oil5:

March 16.
per cental.

Tiour, extra State..... 10s. 0 d.
Wheat, No. 1 white... 7s. 2 d.
do Spring No 2 new 6s. 11 d.
do Winter Western 6s. 11 d. March 23.
per cental.
10s. 0 d.
7s. 1 d.
6s. 11 d.
7s. 0 d. Vestern factory, ordinary ...

The exports of butter from American ports for the week ending March 14 were 249,703 lbs., against 142,462 lbs. the previous week, and 135,872 lbs. two weeks The receipts of corn in this market the previous. The exports for the correspondpast week were 150,726 bu., against 81,304

Western stock is weak and lower on all

ing week in 1884 were 240,922 lbs. bu. the previous week, and 49,865 bu. for Cheese is unchanged so far as this marcorresponding week in 1884. Shipments ket is concerned, and values are steady were 103.755 bu. The visible supply in the with a very slow movement of stock. Michigan full cream stock is quoted at 13 to 13 c per lb., the latter for the choicest makes. What little is offering is taken for the local trade. At Chicago there is a fair local and shipping demand, with the best grades steady and others showing weakness. Quotations there are as follows: Full cream cheddar, 11@11fc; full cream flats. two in a box. 111-@12c; Young America, full cream, 12@124c; choice skimmed, 5@6c; skimmed, poor to good, 2@5c; damaged, 1@1c. New York market is quoted slightly lower on some grades, with trade quiet. Exports are of fair volume for the season, ures of interest to note. The amount in but the foreign markets are dull. The best inquiry is for choice colored stock, about half the amount reported at this while skims are dull and slow. Quotations in the New York market vesterday

age nearly three times as large. It really	were as follows:	
looks as if, despite the very large crop grown the past year, it would all be need ed before the expiration of the nine months that must elapse before the next crop becomes available. Corn, to our no- tion, occupies a strong position, as it is low in price, in active demand for home	State factory, fancy. State factory, full cream, choice. State factory, full cream, fine. State factory, full cream, fair to good State factory, far ty, full cream. State factory, l'ht-'ms, prime to choice State factory, slight skims, good. State factory, skims, fair to good. State factory, skims common. Ohio fia .prime to choice. Ohio fia t, fair to good.	12 @12% 11%@11% 11 @11% 11 @11% 9%@10% 8 @ 8½ 8 @ 9 7 @ 7% 5 @ 6% 2 @ 4 10%@ 8 @10
consumption on account of the very	Ohio flats, ordinary	3 @ 7
severe winter, and the export trade is		1 6 2

taking very large amounts. The long The Liverpool market is quoted quiet winter has drawn heavily upon the corn at 57s. per cwt., an advance of 1s. from cribs, and it looks as if there would not the figures reported a week ago. be much let up for a month yet. Our mar-

The receipts of cheese in the New York market the past week were 10,988 boxes against 21.654 boxes the previous week and 10.607 boxes the corresponding week in 1884. The exports from all American ports for the week ending March 14 foot up 1,697,630 lbs., against 1,548,892 lbs. the previous week and 1,468,453 lbs. two weeks ago. The exports for the corresponding week last year were 580,723 lbs.

Hors have dropped nearly out of sight At Waterville, N. Y., choice are quoted at 12@14c, prime at 10@11c, and low grades at 8@10c. The New York market s very dull, and 15@16c is the best offer for choice hops, and 13@14c for good to prime; Pacific coast are quoted at 8@10c. The English markets are dull and dragging, with values moving steadily down It is a bad year for hop-growers, and there will be many yards sacrificed in consequence. Those who went into hops because they were selling high will now get out because they are low. The wise grower will go right along, take the biter with the sweet, and in a year or two viil be selling again at 40 to 50c per th Hop growing only pays those who make a business of it.

POTATOES have not been in such active Rose and Beauty of Hebron at 43@45c and Peerless at 40@43c. Good to choice lots from store sell at 48@ 55c. The New York market is filled with foreign stock, and is very dull. Magnum Bonums are selling at \$1 75 per bu., and \$1 50 for Champions. Western New Yorks are selling at \$1 37@1 75 per bbl. of 180 lbs. The outlook is not favorable for any higher prices at present.

shade under the prices of a week ago. No. 2 spot is quoted there at 271@301c, In an interview with a Bohemian oats April delivery at 271@28c, and May at agent, a correspondent of the Holly 31gc. The Toledo market is entirely Advertiser relates that said agent accused neglected, and last sales were at 32%c per the FARMER of being run by the Board bu. for No. 2 mixed. At New York oats are quoted fairly active but generally at a little lower rates. Quotations there are as follows: No. 8 mixed, 874c; No. 2 do., 38c; No. 1 do., 384c; No. 2 Chihis scheme. We believe the assertions cago mixed, 39c; No. 3 white, 364c; No. 2 to be as true in regard to the FARMER do., 374c; No. 1 white, 40c; Western white. 39@49c: State white, 39@411c; State and the publishers of either will never lose any sleep because of such acmake liars of even some hitherto reputable men. It shows how dangerous they Butter is still in the same unsatisfactory.

THE long and hard winter is telling severely upon the stocks of hay and grain held by farmers. Hay is in active demand, and some of our Wayne County farmers highest price offered, while a good deal are buying back at advanced prices what only brings 10@124c, and "grease" 6c per they sold early in the season. It is a siner's wagon starting home with two or three bales of hay on it. North of the to carry their stock along. Very few of them have much hay left.

THOMAS J. Navin, ex-Mayor of Adriah, who has been a fugitive from justice for some years, has been brought back, arraigned, pleaded guilty, and sentenced to ten years in State prison for forgery. It is hinted that some Adrian business men are greatly relieved because Navin implicated no one else in the frauds.

ARMOUR & Co., of Chicago, have closed to furnish the army with 5,000,000 cans of beef. It is estimated that it will remire 70,000 cattle to fill the contract. How the bulls and old cows, which are generally designated as "crockery crates," will suffer, that the British army may enjoy the "roast beef of Old England."

WE are pleased to learn that the con rolling interest in the Clinton Woolen Manufacturing Company, the largest woolen mill in the State, has been sold to Detroit parties, and the mill will start and pick out a horse, and you will be sure just as soon as they can get ready. This to get a good one." Alexandre, Brilliant, will consume large quantities of wool.

Losier and Renforth are four beautiful awards on Cotswold sheep at New Orleans:

TEXAS CATTLE FEVER.

We see that Mr. E. K. Wood, of Mont-

calm County, has introduced into the Legislature a bill in reference to the shipping and yarding of Texas stock. It provides that cars used for Texas stock shall be branded, and no other stock allowed in them from April 1st to November 1st of each year; also to solate Texas stock in such a manner in the yards that other cattle cannot be driven over the same ground where Texas cattle have been driven. This bill will commend itself to every farmer and stock man in Michigan who has given the matter any thought It will, of course, be some trouble to railroad companies to carry out the provisions of the bill, but they can charge for any extra expense it entails upon them. The Texas cattlemen should find no fault with the bill, as, if something like this is not done, it is only a question of time when the bringing of Texas cattle into the State will be entirely prohibited. It is a serious thing for a farmer or dairymen to have his stock exposed to Texas cattle during the season when Texas fever is prevalent. It may result in the destruction of every head he owns. The past season sixty-five dairy cows owned in the suburbs of this city, generally the property of those who could ill afford to sustain such a loss, died from Texas fever. This occurred from Texas cattle being driven over their grazing grounds. It is but right that the State should take some action to prevent such losses being sustained by its citizens, and we hope to see this bill become a law. A system of inspection is entirely useless. as Texas cattle seem to have the power while apparently free from it themselves.

AN UNFASHIONABLE CROSS. We have had numerous inquiries as to

the reason why cattle descended from the cow Red Rose by Ernsty 10017, or animals having any of this blood in them, are called "unfashionable." It is simply the result of one of the quarrels and jealousies that have done more to injure Shorthorn cattle than the competition of all other breeds combined. Red Rose was a cow imported by Mr. Walter Dun. of Ohio, in 1833. She was a cow of unusual excellence, and her descendants have been some of the most noted show animals known in the United States. It seems her sire, Ernsty, was not recorded in the English Herd-Book, although his breeding was never questioned in that country. He was finally registered in the American Herd Book under a certificate from England. In a quarrel between Mr Dun and another breeder the fact that Ernsty had no English number was seized upon as an offensive weapon in the fight. and many breeders allowed their fears to get the better of their judgment and discarded cattle having Red Rose blood in their veins. It can be seen how this breed. This, we believe, is the first start foolish the whole matter is when it is considered that 52 years have elapsed since Red Rose was imported, that she was acknowledged to be a pure Shorthorn. and that her descendants have been cross. emand the past week, and values are not ed with the very best Shorthorn blood so firm. For the best lots 38c is about all known to breeders for a longer period small lots 43@45c per bu. could probably be obtained. The Chicago market is firm with a very fair demand. Burbanks are quoted at 46@48c for car-lots Karly and show'd have no reconstructions and show'd have no reconstructions. are quoted at 46@48c for car-lots. Early and should have no more effect upon the value of the animals than the stories of ing over 80 head, as having wintered well. He French blood in the Atwood family of has a number of young bulls and helfers which Merino sheep have had upon them, They originated in jealousy, and breeders of to-day should pay no attention to such

> PERCHERONS IN WAYNE COUN-TY.

Island Home Stock Farm, Grosse Isle.

Although comparatively a new enter prise, Island Home Stock Farm is attaining an enviable position among the large stock farms of the country. Situated as of Trade of this city, and the Free Press it is, so conveniently for shipping to all of being run by the Republicans, and points, the location is particularly desirgave this as a reason why these papers able. The Michigan Central Railroad warned people to have nothing to do with runs across the Island, connected by a bridge to the mainland, and the depot on the Island is only a short drive from the as they are in the case of the Free Press, farm; a team meets all trains to convey visitors to the farm. Intending purchasers should have no difficulty suiting themcusations. It seems those Bohemian oats selves at Island Home, for here are to be found stallions and mares of all ages. weights and colors, and at reasonable

prices. The majority of the stallions are elected for the Michigan and the Middle States trade, but they have many extra heavy horses for those who want something very large. Among so many fine animals it is hard to make a choice: but a few that deserve gular state of affairs when you see a farm- special mention are Vert Gallant, Sansonnet, Orestes, Pompey, Adolph, Brilliant, Losier, and the royal Jupiter-the last Milwaukee road hay is giving out, and we named having been selected by the Perchhear of many farmers who are purchasing eron Society of France, under the direction of the French government, as being the finest stallion in Europe, and sent to Rosa Bonheur to be painted. Adolph is a young horse of remarkable bone and musele; and so like Jupiter that it is hard to tell them apart; they are both very dark grey. almost black. Sansonnet is probably the most stylish and highest headed Percher on stallion in America to-day, with great power and action. Vert Gallant comes pretty near being a trotter. Mr. Farnum tells us that he can trot a mile inside of four minutes, and he is built up like a contract with the British Government castle. Pompey is an exceptionally desirable horse, and will be a paying invest ment for the man that buys him; he is built to last and has all the fire and vim that might be expected from his good breeding. Orestes is a great horse splendid legs, feet and quarters, and with an eye like a hawk, and will make a name

for himself in the near future. We have not space to enumerate, suffic to say with our friend Judge Douglass, when he visited the farm a few days ago, "Go into the stable with your eyes shut

nention Mouvette Isis, Pelote, Nini, and Rosette as being very fine, with many others that we have not room to mention. There are some choice grade horses on Bob, is really a full blood Percheron but not being eligible to registry, Messrs Savage & Farnum offer him as a fifteen sixteenths grade, for they say they will sell any horse as a grade and at grade prices that they cannot show a clean ped igree for.

We would advise any of our readers who contemplate the purchase of a Percheron horse, to visit this establishment before making their selections. They will find a large number of horses to select from, and we can guarantee them a hearty welcome

Important Shorthorn Sale.

Those interested in the Shorthorn sale o be held this spring, should not fail to read the advertisement in this issue of the joint public sale on April 16th, next, at Dexter Park, Chicago, where will be offered a choice selection from the "Niagara Herd" of Mr. B. C. Rumsey, Buffalo, N. Y., and the entire herd of the late Mr. C. M. Lansing, which is also now at the Niagara Stock Farm in charge of the manager, Mr. Wm. H. Gibson. Included in the sale will be representatives of the following families: Oxford, Kirklevington, Wild Eyes, Barrington, Place, Craggs, Gwynne, etc. Catalogues, now ready, may be had on application to Wm. H. Gibson, Niagara Stock Farm, Buffalo, N. of transmitting the disease to others Y. A late letter from him states that they will have a very nice lot of cattle to sell and that the young bulls will be extra \$20 000 worth of improvements made upon it, and can now turn out 300 barrels of flour Let the owners of cattle all over the State ask their representatives in the Legislature to give this bill their earnest support.

A Card.

o the Editor of the Michigan Farmer.

The omission in the published proceedngs of the recent annual meeting of the Dutch-Friesian Association, held at Deroit, of its action making Prof. Samuel ohnson an honorary life member of the Association, is a mistake that I deeply regret, as no man could be more deserving of such an acknowledgment.

S. HOX1E, Secretary 4.

Stock Notes.

MESSRS. WM. & ALEX. McPHERSON, of Howell, Livingston County, report the sale of heir last bull calf over ten months old, to Mr. James G. Hayden, of Cassopolis, Cass County, He is named Barrington Vanquish, by Barringington Duke of Sharon 54679, out of Oxford Vanquish 16th (Vol. 23, A. H. B.), by Water oo Duke of Howell 41248.

MR. E. A. NORDMAN, of Dexter, purchased t private sale from Messrs. Underwood and Washburn, the two year old heifer Thula of Atholdie, owned by Mr. Underwood. He it in for \$80. also purchased the bull calf Labern from Mr. Underwood, and intends building up a herd of n Holsteins in Washtenaw County.

Mr. B. J. BIDWELL, Tecumseh, reports the following recent sales of Shorthorns from his erd: To M. P. Stockwell, Clayton, the bull Maz-ar a's Oxford 25th 527c4, by Mazurka's Oxford

in 19946, out of mogene.
To Issue Smith, Nashville, young bull Bread-

he offers at low prices.

MESSRS. E. J. & E. W. HARDY, of Oceola Livingston County, report the following sale from their berd of Shorthorns: To J. S. & W. G. Crosby, five head, as fol-

lows:
Vena. calved April 12th, 1882, got by Oxford Duke 40181, out of Evangeline 4, by Bright Eyes Gloster 25781.
Daisy, calved November 14, 1883, got by Lord Barrington 4th 48617; dam Waterloo Princess 1st. by Waterloo Duke 45227.
Dablia calved Velevierr 28, 1884, got by

18t. by Waterloo Duke 45227.

Dahlia, calved February 28, 1884, got by
Lord Barrington 4th 48617, out of Evangeline
3d, by Bright Eyes Gloster 25781.

Rosette, calved April 28, 1830, by Young
Mary Prince 34156, out of Lucy, by Victor

Bull calf Glpsy Barrington, calved January 2, 1885, by Lord Barrington 4th 48617, out of Rosette by Young Mary Prince 34156.

To Albert Bird, Brighton, young bull Oceola Chief, calved January 20th, 1884, by Lord Barrington 4th 48017; dam Evangeline 4th, by Bright Eyes Gloster 25781; 2d dam, Evangeline 2d, by Bengal Chief 22185, and tracing to imp. Princess, by Wellington (684).

MR. H. M. MORSE, proprietor of the Unio Herd of Poland-Chinas at Union Township, Branch County, reports the following sales

ow.

H. Bradford, Rochester, Ohio, one sow.
A. Care, Galesburg, one boar.
R Taylor, Leonidas, one boar.
F. E. Morgan, Coldwater, one sow.
G. L. Russell, Burr Oak, one boar. G. L. Mussell, Burr Ozak, One Boar. L. Button, Burlington, one boar. E. Brooks, Union City, one boar. Lucian Wallsworth, Union City, one sow F. Barnhart, Union City, one boar.

Thomas, Sherwood, one boar. Harkness Batavia Station, one boar. E. Harkness Batavia Station, one boar.
O. H. Brown, Sandusky, Ohio, one boar.
W. H. Ashley, Homer, two sows.
A. Brown, Hodunk, one boar.
M. Brooks, Union City, one sow.
Luran Wallsworth, Union City, one sow.
H. E. Mowry, Sherwood, two sows.
S. Grover, Union City, one boar.
W. W. Warren, Union City, two sows.
E. Rice, North Batavia, one sow.
M. McIntosh, Wasepl, one sow.
A. Morse, Ridgefield, Ill., one boar.
Arnith Bros., Three Rivers, one boar and

Arnith Bros., Three Rivers, one boar and for Sheep and Wool Notes.

A good many owners of grade Merino floc in this State will cross them with bucks of some one of the mutton breeds this season Shropshires are generally preferred for this

quotations of the last series, with active com petition and a good attendance of buyers Some American mills are represented. THE U. S. Economist says that "although woolen rags were never in the world so low as now, shoddy mills do not get along well never theless." For this announcement those who

THE London wool sales opened on Tuesday

of last week. Prices opened firm at the closing

have worn their goods, as well as the woolgrowers, will return thanks. FRANK WILLSON, of Jackson, Michigan's

bays, and Conquerant is a magnificent black horse weighing about 1,700 lbs., and every point about him perfection.

First on rams two years old and over; first on ram lamb; second on ewe two years old and over; manual over disposed to take him in custody. Profuse a bologies soothed the bay tor's ire, and he went on to his patient. two; first and second on ewe lambs; and sweepstakes on best ewe of any age. He also carried off first on best long wool fleece from a sheep over two years old. It is a mercy to 1sth. the sheep men of other States that no other the farm, and one that is offered as a grade, Michigan exhibitors were present or there would have been few premiums left for dis-

NEWS SUMMARY. Michigan.

tribution among them.

Michigan's snowfall this winter averaged 1

James Price was instantly killed by a falling tree at Kalkaska, last week. Lapeer Democrat: Potato buyers are nun rous and active in this county.

Tin has been found in small quantities at the mouth of the Huron River in the Upper Pen-insula. Peter Stack, of Ypsilanti, committed suicide on the 17th by hanging himself. He was 81

A team of horses was stolen from the main street in Charlotte last week, ten minutes after

they had been tied. The "Ready Helpers" of Birmingham are assisting to educate a little Indian boy living in Indian territory.

Phillips Phelps, of Pontiac, lost a valuable corse last week. Some one poisoned it by

norse last week. Some one poisoned it by nixing Paris green with the oats. Mrs. Sceley, of Pontiac, wife of the late Harvey Seeley who was accidentally shot, is now an inmate of the insane asylum.

R. H. Bailey, of Ash, Monroe County, charged with appropriating \$1 500 belonging to his ward and grand-daughter, Mary Cole. John Eastman, of Milford, has contracted to raise 70 acres of cucumbers for the Highland pickle factory, at 42½c per bushel, delivered. G. A. Spear, grocer's clerk in Bay City. has drawn a prize of \$75,000 in a Southern lotter scheme. He hasn't got the money yet, though The Valley City mill at Grand Rapids has had daily.

Recently Archie Patten, of Hamburg, ate a quantity of candy, and died the next day. It a supposed he was poisoned by the coloring of

No bids offered for the construction of the rand Rapids city hall came within the limits of by the council. \$150,000, hence there is a hitch in the programme. At St. Ignace on the 18th, Andrew Desotel

intered felix Paquin's house, and shot Paquin hree times; then put a ball in his own heart. There was a woman in the case. It is charged that Ionia saloonists entice dis charged convicts into their saloons and induce them to spend the money given them to pay their way out of town on whiskey.

Mrs. Elizabeth Armstead, aged 106, died at Port Austin last week, leaving three sons, aged 80, 79 and 73. She was born in England, nd came to this country 70 years ago.

Hillsdale's citizens informed the city father by a series of resolutions last week that they wished no waterworks costing more than \$50,000; and that the works must be owned by the

John D. Lindsay, of Mason, attempted to commit suicide with laudanum at his father-in law's house at Concord on the 18th. The reason was that his wife had left him. He will

It is said that the Kalamazoo contractor Washburn, the two year old heifer Thula of the Washburn lot, and the two year old heifer at Island Lake, near Brighton, put up 180 tons Atholdie, owned by Mr. Underwood. He

Last week Ernst Roesch, of Bay City, was found frozen stiff before his own door, with the key in his band He was intoxicated the night before, and had evidently fallen and been unable to rise. Kirschner's tannery at Monroe was burne

on the 18th. The reservoir being frozen up; the first fire engine on the ground was run out on the tee and broke through. The building was destroyed. Loss, \$4,500.

It is said that a stranger, visiting his best girl at Jonesville, was espied by the sheriff, suspected of being the escaped convict Wilson, and obliged to prove his identity before he could induce the officer to cease his polite at-

The Union school building at St. Johns burned on the 21st. It is supposed the fire originated from a defective flue, as there was no fire in the building. The flames were breaking through the roof when discovered, and the loss is total. Adam Willhahn, of this city, undertook

and william, of this city, undertook to carry a keg of beer into a saloon cellar on a wager, but at the second or third step slipped and fell and the keg fell on top of him. He has since died from the effects of the fall, which fractured his skull.

Ann Arbor Argus: A petition praying for the prohibition of the sule of liquor within five miles of the University, signed by 700 students and professors, has been put before the Legis-lature. A remonstrance against the prohibi-tion, signed by 500 citizens, has also been sent in.

Lucian Fox, State agent for several insur-ance companies at Monroe, was arrested and juiled last week charged with irregularity in his accounts. He confessed to the embezzlement, and says he spent the money in the campaign last fall, being a candidate fo office.

St. Clair Republican: While four head of cattle belonging to Mrs. Broadbridge, of East China, were standing on the ice to drink, they were carried out into the stream on a cake of ice. The steamer Clara was obtained, cattle lassoed and hauled on board, and good job well done."

Yardmaster Edwards, of Battle Creek, had the bones of both legs fractured in the C. & G. T. yards in extricating himself from a frog to avoid being run over by an approaching train. The rail road commissioner is investigating the matter, as it is a finable offence, of from \$100 to \$1,000, for a failure to block frogs and switches so as to prevent the feet of employes from being caught therein. from being caught therein. Mr. J. W. Patterson, a former resident of

Mr. J. W. Patterson, a former resident of Tecumseh, who has spent nearly a year in California, is satisfied that the average Michigan man. A few men have grabbed the most productive lands and are holding them at ex orbitant prices, the mild climate is enervating, products are low and prices for help and sup-plies are high. So he is coming back to Michigan.

A couple of years ago three men were sent to prison for life for the nurder of a lad named Scholtz at East Saginaw, and the theft of a sum of money. Now it is said that the Scholtz family, having returned to Germany, have admitted no money was stolen from them; and as it is said they tried to push the half witted lad overboard while crossing the ocean, it is surmised that they might have known more about the murder than they saw fit to tell.

Telegraphic reports giving the temperature at various points in the State the past week, show a remarkable degree of cold. At Ishpeming, it was 38 degrees below on the 20th, at Republic 47 below. These two towns are in the Upper Peninsula. At Kalkaska the thermometer reached 44 degrees below on the 17th, the lowest of the season. At Ionia the mercury was below zero for five mornings in succession, at St. Louis it stood at 23 degrees on the 20th. Mr. Probert, of Sebewa, did not live happily

Mr. Probert, of Sebewa, did not live happily with his wife, and recently Mrs. Probert was shot in the head by a revolver in her husband's hands. He claimed it was accidental, but Mrs. P. now being able to tell her side of the story, says he meant to do it. She says he made her promise after the shooting, to say it was an accident, before he would go for help. Complaint has been made against him by a neighbor, he has been arrested, and will be tried. Grand Rapids Eagle: A physician called to

Grand Rapids Eagle: A physician called to visit a patient five miles out of town, had the misfortune to have his horse taken violently ill while near his destination, and by permission of a neighbor took his horse into the barn and spent about an hour in doctoring it. On leaving the barn to look after his cutter, he was astonished to find it had disappeared, and that three men had revolvers aimed at him. He was ordered to surrender, and under the circumstances was quite pleased to do so. An explanation followed. The men had mistaken

General.

President Cleveland was 48 years old on the The two editors of the Deseret, Utah, Nem are to be tried for polygamy.

In the present winter packing season 6,500, 030 hogs were packed at western points. The James Bank building at Atlanta, Ga, was burned on the 18th. Lose, \$60,000; insurance, \$7,000.

J. W. Smith, confidential mine clerk, has absconded with a \$13,000 gold bar from L4
Delicias, Arizona.

The big parafile factory at Elizabethport, N. J., was destroyed last week by the explosion of a still. Loss, \$150,000.

Railroads in New Brunswick and Non-Scotia were blockaded by a snow storm last week. Two feet of snow fell. The Iowa supreme court has affirmed the constitutionality of the prohibition law, as stands on the State statute books to-day.

The senators from British Columbia want the naval defenses of their privince strengthened, in view of the possibility of a war between Russia and England. Mrs. Tom Thumb is to be married to Count

Magri on Easter Monday, in Trinity church New York city. The "happy pair" will the go to Italy to reside.

Two famous counterfeiters, Joe Skelton ad George Osborn, were arrested at Chicago lat week, and the "plant" used in manufacturing coin was confiscated. A barrel of gasoline exploded in a saloon at Braddocks, Pa., last week, and the propriete was fatally burned, while three other men were dangerously injured.

A new cattle drive from Texas along the Kansas State line to Wyoming has been agreed upon by drovers, thus avoiding the Kansas quarantine regulations.

Harry Lutz, fireman, was scalded to death and Jacob Shultz, engineer, was fatally co and burned by a wreck on the Pennsylvani railroad near Paoli, Pa.

Ed. Doolittle and John Schonback, railroad strikers at Hannibal, Mo., get 60 days impris onment each. for interfering with the open-tion of the Wabash road.

Jennie Hall, who has just di d at Akm. O., lived seventy-five days without food. Has sickness was caused by a fall from a chir.

whereby her back was injured. Wm. Holstein, sick with the meads at Mendota, Ill., rose from his bed, and white asleep jumped from the window of his boarding house, being instantly killed.

Wm. Mulcahey, an inmate of the Essa County, N. J. insane asylum, was murdeled by Herman Fachs, a fellow patient, who bal his brains out with a heavy spittoon. While Wm. Evans, a farmer of Dansville

Ill., was being taken to the insane asylumla week, he broke from the guards and leape from the train, being instantly killed. Prof. Doremus, the eminent chemist, is suffering from an affection of the brain, brought on by intense mental application, and will take a summer trip to Europe in hoped restoration to health.

J. A. Griswold, of Peekskill, N. Y., fell exhausted while skating at the local rink, and it was found his right side was paralyzed. It died last week, and physicians say death wa caused by over exertion.

The Arizona legislature during its session voted \$1,000,000 for subsidies. An indignation meeting has been held at Tucson, and congress will be asked to take measures to prevent payment of the money. Mrs. Wm. Jarrett and her paramour, W

Molton, have been arrested at Charleston. W. Va., for the murder of Mrs. Jarrett's husband Jarrett's little son was the only witness of the rime and told the officers.

Wm Perkins, three months over 100 year old, was buried at Waterford, Ont., recently. His eight children, the oldest 80, the youngest 59, were present at his funeral. Such longevity in an entire family is unusual. Thieves stole \$1,500 from Donaldson's bask at Columbus, O., at high noon on the 19th The proprietor was in the bank at the time but he can't for the life of him tell whether

e was asleep or was chloroformed. Leo Herschwaldt, of New York city has been missing from his home in New York slav Feb. 16th. His body, with a bullet hole through the head, has been found in the Niagara Riyer, near the whirlpool rapids. The Ellsworth coal company's employes, 50 in number, struck at Dansville, Ill., last week

are met. An Englishman named Thos, Simpson, e An Engineman named Thos. Simpson, complyed as coachman at Youngstown, O., took morphine enough to kill twenty men last week. He was well educated, had wealthy relative in England, and no one can conjecture why be should remain a servant in America, or make way with himself.

The delegates of striking miners all through the Hocking valley, met at Straitsville is week, and after some lengthy discussion decided to return to work at the old rate of the cents per ton. This ends the strike which we begun last April, and on which hundreds of thousands of dollars have been lost by violence and inactivity.

The Racine wagon and carriage company has been defrauded of nearly \$30,000 within the past year by the head book keeper W. B. Spaulding, who about the middle o' February disappeared with a disreputable woman of the town, leaving a wife and two children destitute.

He was an excellent book-keeper, it is said; too good, it seems. Wm. Hubbell, of Goshen, Ind., a retire farmer, drove out of town into the country where his wife was visiting. He called he out of the house and shot her, then walked to the barn and shot himself through the head. Hubbell is dead and his wife cannot recover. The supposed cause is temporary insuity is duced by constant dissipation.

There was heavy fighting at Panama last week, Colon being in the hands of receive commanded by a notorious criminal, who declare he will reduce the town to ashes if the government troops attempt to recapture it. Traffe on the Panama railroad is tus, ended. The British gunboat has sent 75 m gines, with a

A Philadelphia lineman named Weeks grasped ah electric wire carelessly while on a pole. The shock rendered him unconscious and he hung on to the wire until one finger was burned entirely off, when he fell and was caught in the wire by the strap of his climbers. He hung head downwards in mid air until rescued. Another finger and his thumb had to be amputated. to be amputated.

The Franco-Chinese war has cost the latter government \$90,000,000; and the end is not yet Engagements between the English and the By an explosion in Usworth colliery, England, last week, 41 miners were killed. Two men were suffocated while trying to result

In the mining village of Camphausen, ne Saarbruck, Reinish Prussia, an explosion of damp occurred on the 18th, by which 200 m in the mine were either crushed to death

Egypt has just effected a new loan of \$45 000,000, to be known as the "internation guaranty loan." Foreigners residing in Egyp will be subject to all taxes imposed for the payment of this loan.

It is claimed that Bismarck was the power behind the throne which averted war between England and Russia. Still, the English government is preparing to send 30,000 troops to the frontier if necessary, and a general forward march of Russian forces is reported. It is said the English troops in the Souds

will need 25 per cent reinforcements before autumn, owing to sickness and deaths from the heat. Camel drivers refuse to remain there. Navigation of the Nile is difficult and transportation of the wounded tedious.

The Earl of Aylesford, owner of a amount of ranche property in Texas, Big Springs last week. He was 35 ye age and belonged to an old and cele family of the English nobility. His do relations were unfortunate, his wife eloped with Lord Blandford, and he bel able on account of scandals affecting it to obtain a divorce. It was soon after troubles that the earl came to Texas a vested largely in cattle lands.

March 24.18

Farm Law.

Inquiries from subscribers falling und head will be answered in this column if the are of general interest. Address commut to Henry A. Haigh, Attorney, Buhl Block,

An Unused Road.

PINCKNET, Mich., March 5, Law Editor of the Michigan Farmer. DEAR SIR -Will you please answ

following question through the Mrc FARMER, to wit: A highway about and one-half miles in length was du out more than twenty years ago. one half mile of same was duly of and has been in use during the who the above period, the other two has never been opened. Can the uno part be now opened by the highway missioner as a road heretofore, dul out, or, in other words, is the uno

Answer .- The public have lost all in the unopened portion by nor See Section 1317, Howell's Statute Cooper v. Detroit, 42 Mich., 589.

WE call special attention to the ad ment in this issue of Mr. J. C. Va Seedsman, at No. 42 La Salle Street, C who prints one of the finest catalogues season, covering seeds, grass seeds, tools, onion sets, flowering plants, et whose location at Chicago places him best possible position to supply our r It will pay any one to send for his car before buying secds or tools.

> NEW ADVERTISEMENT WRaspberry Marlboro,

Gooseberry, Industry, Grape Niagara, tion and prices together with a colored the gooseberry free.

ELLWANGER & BARR Mt. Hope Nurseries. Rochester freewalt. SHORTHORI

AUCTIO Having concluded to go out of the bu-

Wednesday, April 15, 1 beginning at one o'clock, P. M. The sto offered comprises animals that I have he refused to part with at any price, and we now if I were not going out of the business families represented in the herd are the

Bell Duchesses (or Fibberts), Oxford Roses, Gwynnes, Fhyllises, Pomonas, Cruikshank, Adelaides,

and of all ages and both sexes. They wi without reserve.

Teams will be in attendance at Wixom
val of trains the day before and on the da
up to noon to convey visitors to the farm
ors from a distance coming the day befor
cared for.

TERMS.—One year's credit on approvering seven per cent interest, or a dishree per cent for cash. For catalogues giving extended pedig full particulars, address, A. S. BROOKS

D. MORELAND, Auctioneer. AUCTION SA

WIXOM, M

SHORTHORN CAT -0N-WEDNESDAY, APRIL 8th.

Sparta, Kent Co., Mich The stock to be sold consists of over 3 Bulls, Helfers, Cows and Calves, being therd of Norton Fitch. Terms reasonable for Catalogue. Address

NORTON FITC J. A. MANN, Detroit, Sparts

OWOSSO BREEDING STAB

LOUIS NAPOLEON : Sire of Jerome Eddy, 2:16½; Spinells Myrt e, 2:27½; Louis R., 2:29¼, and ter with trials in 2:21 to 2:88. Season, CEORCE MILO 131 Brother of Jerome Eddy. Season,

FUROR 3026,

By King Rene; dam by George Wilkes. JO CAVIN 564, Sire of Cora Bell, 2:2914. Season, \$25. 7 BONNIE WILKES 3

By Bourbon Wilkes; dam by Alexand dallah. Season, \$25. To insure, Send for our Catalogue.

DEWEY & STEWAR'
OWOSSO,

ECCS FOR HATCHI

HIGH-GRADE HOLSTEINS FOR Two young Bulls & and % blood, of for service. Two new milen cows we and buil calves; also three yearling held steck in good condition and nicely markesonable.

OLDS & Bacc mi7-5t York, Washtenaw Communication of the property of the prope

Shorthorn Bulls For

Addison is on the new Michigan &

Pure bred Light Brahmas, Plymou Langshans and Brown Legborns; Roue kin Ducks \$2 for 13, \$3 for 25; Bronze \$3 for 12, \$4 for 24; Toulouse Geese each. Gronze turkeys and Light Bespecialty. Orders with the cash book alled now in rotation or when wanted.

MRYER, Brighton

I have three young Shorthorn bullsservice; they were sired by 2d Kirl
King, by King of the Roses 34254, from
fashlonably bred dams sired by 23d Dul
drie 41350 and Vanquish Airdrie 34030.
all reds and fine individuals and wi
cheap. FRANKLIN WE
m10;8t Constantine, St. Joseph Shorthorn Bulls For

thief on a foray, and having for protection against such disposed to take him into a acologies soothed the doctor on to his patient.

24, 1885

General. land was 48 years old on the of the Deseret, Utah, News. polygamy.

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An Unused Road.

PINCKNEY, Mich., March 5, 1885. Law Editor of the Michigan Farmer. DEAR SIR -Will you please answer the

following question through the Michigan Farmer, to-wit: A highway about two and one-half miles in length was duly laid out more than twenty years ago. About one half mile of same was duly opened, and has been in use during the whole of and has been in use during the whole of the above period, the other two miles has never been opened. Can the unopened part be now opened by the highway com-missioner as a road heretofore, duly laid out, or, in other words, is the unopened part forfeited by non-use?

Answer .- The public have lost all rights in the unopened portion by non-user. See Section 1317, Howell's Statutes, and Cooper v. Detroit, 42 Mich., 589.

We call special attention to the advertise ment in this issue of Mr. J. C. Vaughan Seedsman, at No. 42 La Salle Street, Chicago who prints one of the finest catalogues of the season, covering seeds, grass seeds, garden tools, onion sets, flowering plants, etc., and whose location at Chicago places him in the best possible position to supply our readers It will pay any one to send for his catalogue before buying seeds or tools.

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SHORTHORNS

AUCTION

eding Shorthorns, I shall offer my entire herd Wednesday, April 15, 1885,

beginning at one o'clock, P. M. The stock to be offered comprises animals that I have heretofore refused to part with at any price, and would no now if I were not going out of the business. The families represented in the herd are the

Bell Duchesses (or Fibberts),
Oxford Roses,
Gwynnes,
Fuyllises,
Pomonas,
Cruikshank,
Adelaides, etc.

and of all ages and both sexes. They will be sold

For catalogues giving extended pedigrees and full particulars, address.

A. S. BROOKS. WIXOM, Mich. D. MORELAND, Auctioneer.

AUCTION SALE

-OF-

SHORTHORN CATTLE

-ox-WEDNESDAY, APRIL 8th, 1885 -AT-

Sparta, Kent Co., Michigan

The stock to be sold consists of over 35 head of Bulls, Heifers, Cows and Calves, being the entire herd of Norton Fitch, Terms reasonable. Send for Catalogue. Address NORTON FITCH,

J. A. MANN, Detroit, Sparta, Mich Auctioneer. Sparta, Mich m3-5t 1885

owosso BREEDING STABLES.

LOUIS NAPOLEON 207 Sire of Jerome Eddy, 2:16½; Spinella, 2:26½ Myrt e, 2:27½; Louis R., 2:29½, and ten others with trials in 2:21 to 2:38, Season, \$100.

CEORCE MILO 1313. Brother of Jerome Eddy. Season, \$50 00. FUROR 3026,

By King Rene; dam by George Wilkes. Season \$50 00. JO CAVIN 564, Sire of Cora Bell, 2:294. Season, \$25. To insur-

BONNIE WILKES 3261, By Bourbon Wilkes; dam by Alexander's Abdallah. Season, \$25. To insure, \$35. Send for our Catalogue

mr24-18 DEWEY & STEWART, Owosso, Mich. ECCS FOR HATCHING.

Pure bred Light Brahmas, Plymouth Rocks, Langshans and Brown Legborns; Rouen and Pe-kin Ducks \$2 for 13, \$3 for 25; Bronze Turkeys \$3 for 12, \$5 for 24; Toulouse Geese eggs 40 cts. each. Bronze turkeys and Light Brahmas a specialty. Orders with the cash booked to be filled now in rotation or when wasted. Address mr24 8t LOUIS MEYER, Brighton, Mich. HIGH-GRADE HOLSTEINS FOR SALE

Two young Bulls % and % blood, old enough for service. Two new milen cows with helfer and bull calves; also three yearing helfers. All steck in good condition and nicely marked. Price reasonable.

OLDS & BaCON, mi7-5t

York, Washtenaw Co., Mich.

Shorthorn Bulls For Sale. I have three young Shortborn bulls now fit for service; they were sired by 2d Kirklevington King, by King of the Roses 34254, from well and fashionably bred dams sired by 23d Duke of Airdrie 41350 and Vanquish Airdrie 34030. They are all reds and fine individuals and will be sold cheap.

FRANKLIN WELLS, mile; to Constantine, St. Joseph Co. Mich. Constantine, St. Joseph Co., Mich.

Shorthorn Bulls For Sale. Sired by Proud Duke of Fairview 20730, and Lord Barrington Hillhurst 52431, out of Young Mary, Phyllis, Lady Elizabeth, Peri Duchess and Rose of Sharon cows. Also a few cows and heli-crs. Reliable catalogues always on hand for distribution. WM. CURTIS & SONS, Addison, Lenawes Co., Mich. Addison is on the new Michigan & Ohio Rall-road. Residence connected with State Telephona NEW ADVERTISEMENTS.



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GOOD JERSEY BULL. For the Dairyman, and one can never be bought lower than now. We can supply one for Seventy awe dollars to One Hundred, good enough for any herd. We have the LARGEST AND BEST SELECTION IN AMERICA.

Choice YOUNG COWS and HEIFERS always DE LAVAL JERSEY HERD. Glen Ridge, N. J.



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BOTHWELL, Canada.

o THE GEARY BROS. CO, BOTHWELL, Canada. • or to GEARY BROS. LONDON, Canada.

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IMPORTERS AND BREEDERS OF -Percheron Horses, Shorthorn and Polled Aberdeen Angus Cattle, Berkshire and Suffolk Pigs and Shropshire Sheep YOUNGSTOCK FORSALE

HOLSTEINS

OR DUTCH-FRIESIANS,

At Living Rates! A fine selection comprising about 100 head of registered stock of my own breeding, and from my importations of 1882 and 1883. A specialty of young pairs not related for foundation stock. Calves of all ages. A fine lot of yearling heifers just coming two, and two-year-olds just coming three due to calve in May and June, bred to my prize imported service bulls "Jonge Carre" and "Prince Midlum" who have no superiors. Prices reasonable. Write for prices and catalogue.

M. L. SWEET. Breeder and Importer, Grand Rapids, Mich HIGH-BRED STOCK

For Sale.

Bates Shorthorns—Cows, heifers and calves. Three choice Victoria Duke bulls ready for service. Trotting and Clydesdale Horses. Also a fine lot of Shetland Ponies bred from stock direct from the Shetland Islands. Send for new catalogue just out.

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A. J. MURPHY Breeder of Pure Bred Recorded POLAND CHINA SWINE,

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Poetry

A QUIET PICTURE.

The shifting shadows lay In charming quaintness on the bare white floor. Creeping in softly through the open door, In a still, drowsy way, ng through masses of the ivy vines That fall in shapeless masses through the pine The fire-light gay and bright,

Steals trembling from the old hearth's huge blace Where, in their own rich light,

The giant logs in splendor fall away In glowing shapes among the ashes gray. The baby on the floor, With tiny hands closed o'er her pearly toes, Watches the fire-blaze as it comes and goes, And wonders more and mere comes the red light on her snowy feet, And tries to catch it in her fingers sweet.

The happy mother sits ded hands, her weary work all done, With the last smiling of the harvest sun, And lists' her eyes love-lit, To the low prattle of her eldest born, Whose cheek is dewy as the early morn.

In homespan garb of gray, The father sitting by the window w Unfolds his paper with an honest pride, And in his homely way Reads of the pomp of state—its wealth and art With scarce one envious longing in his heart. Upon the lowly steps

The grandame watches for the coming meon. tion of her, having a figure obviously While murmurs of some half-remembered tune Drop from her faded lips; She dreams again of older days more fair, shadowed by a quantity of black hair, brought down to her eyes. Her clothes Nor marks the shadows flitting o'er her hair. were unsuitably dressy, and on the table O, baby, glad with play! lay a number of cheap silver bangles, aper, knowing not the heart's recoil! parently taken off at Reuben's direction O father, wearied only by your toil! But she had a pleasant, intelligent smile, O grandame old and gray! Would that the quiet of your day's decline and bore her father in law's strictures

MY KING.

Might husb the thropbing of this life of mine.

When and how shall I meet him, if ever! What are the words he first will say? How will the barriers now that sever Our kindred spirits be broken away? This self-same sunshine on him is shining, Shining somewhere the while I sing, Could I acknowledge my King, my King,

Whether his hair be golden or raven, Whether his eyes be dark or blue, I know not now, but 'twould stand engraven On that white day as a perfect hue Many a face I have liked for a minute,

Been charmed with a voice with a plea But ever ave there was something in it, Something that could not be his-my King. I will not dream of him handsome or strong,

My ideal love may be weak and slight; It matters not to what class he belong, He will be noble enough in my sight; He may not be brilliantly gifted, my lord, And he may be learned in everything,

Whose melody waits for the hand of its King. But he must be courteous toward the lowly, Kind to the weak and sorrowful, too; He must be brave, refined and holy,

By nature exalted, and firm and true, To such I might fearlessly give the keeping Of a love that shall never outgrow its spring; There would be few tears of woman's weeping If they loved such men as my King, my King



HIS SON'S WIFE.

When after a prolonged resistance on the part of the rate-payers, the School Board at length invaded the suburb of Abney, N. W., and erected schools superior in every respect to those already existing in the parish, there was no one whom the change affected more than it did old Reuben Sparrow, the master the Free College for boys. His pupils had never liked him much, and now they dropped off one by one, till the embitter ed and sorely mortified man was compelled to resign his post.

Fortunately he had saved enough to live on; and so, having no need to go in search of fresh employment, he was able to devote the best part of his time to the studies in which he had formerly delight-

He was now a man of nearly seventy, with broad, though rounded shoulders, and a face that would nowhere pass un noticed. Deep furrows scored his forehead and bracketed a firmly-closed month sparse white hair was brushed unevenly about his head; beneath heavy brown peered out the pedagogue's eyes, alert, shrewd, suspicious. He was quick to find fault, impatient of ignorance, slow to trust, hard to please, but-is there not a saving clause in every nature?-he was capable of strong, self-forgetting affection; and the wife, who for forty years had been his faithful helpmate, often said that she had never had an unkind word

His distress may be imagined when one day this cherished wife, who had fretted herself into a low state of health over his recent humilistion, fell grievously ill. Reuben sent for the doctor, a young man in the first flush of his professional gravity and dignity, who, after examining the patient very carefully, seated himself to write a prescription in ominous silence. Reuben watched him at once anxiously and distrustfully.

"What dost think of her, young man? he asked, at last.

"She is in a very critical state, and ought never to be left. Is there no one to share the nursing with you?"

Reuben threw up his head sharply. There isn't a woman in the place but 'ud be proud to be called to the bedside of my Mary, but I won't trust any of 'em. She and I, we've always done for one another, and I can't have a meddleson. neighbor in now.'

"Have you no daughter?"

"None but my son's wife, and she's naught but a tricked-out fool. Used to be a milliner's gal, and learn't to dress the wishing she had had more schooling, and outside of her head instead o' the inside. Got a fine name like a lady's, but don't know who Julius Casar was, and calls the top of a pudding the bottom because it's turned out lowest-pooh!" A sort of grim smile flickered across

Reuben's face as he made this last singular charge against his daughter, but it only lasted a moment.

"The old woman's bad, then?" he said, his eyes fastened apprehensively on the

"I am afraid so," said Mr. Walters, gravely. "I wouldn't refuse help in the nursing if I were you. You might regret t when it is too late."

"Let me alone, young man!" retorted

Reuben fiercely. "D'ye think I'm no

be responsible for the consequences.'

ity, was passing on to her the instructions

"Now, girl, lift her a bit. Lor! can't ye

He put his arm under the old woman.

whose breathing was quick and difficult,

and cleverly raised her into an easier posi-

The doctor came forward, a little curi-

ous to see the disparaged daughter-in-

law. As far as exterior went, she answer-

ed pretty accurately to Reuben's descrip-

comfort depends.

felt cheered by neither.

lie down," urged Mr. Walters.

I'm not your patient. How is she?"

Mr. Walters did all he could for the sick

savage contempt for the whole race of

But next day poor old Mary died, and

the stricken husband shut himself up to

funeral he would not exchange a word

with the many kindly mourners who

The following morning, however, he

made arrangements to live with them and

than usual. "vou did your best for her.

You're worth more than I thought. We'd

"Of course, father," said his son heart-

ily; "we'll try to make you comfortable

and Gwen'll try to take mother's place.'

boy," said Reuben, with slow scorn.

"Your wife's a well-meaning gal, maybe,

but as ignorant as a baby. Mother's place

He leant his heavy head on his hands,

an old man like that," replied Gwen,

whose grammar was hardly as genteel as

But herein Gwen was too sanguine.

inmates of the same little house, her

house unfavorably compared at every

turn with that of her mother-in-law; her

occasionally flighty manner the theme of

Nothing but admirable patience and

good humor, and real humility that ac-

cepted his judgment as better than her

own, could have enabled the girl to per-

severe as she did in her determination to

please the old man. In deference to his

wishes she simplified her style of dress,

but her thick hair tidily off her face, and

discarded her jewelry, save her wedding

ring and a brooch given her by old Mary.

Sarcastic and unkind as was Reuben's

tone in speaking to her, she undoubtedly

profited by his fault-finding, and after a

time she discovered that Luke was right

in saying his father's bark was worse than

his bite. More than once, when some

small domestic difficulty perplexed her,

Reuben's watchful old eyes perceived it,

and she found herself, at the same time

anarled at as a fool, and helped out of her

Again, the old schoolmaster took very

kindly to his grandson, and Gwen, who

getting the boy taught by Reuben, whose

learning inspired her with profound res

pect. Often when she dusted his book

shelves, where Horace, Virgil, Cicero

Thomas a Kempis, Shakespeare, one o

two works on education, and a little old-

Locke's "Conduct of the Understanding,"

leant side by side in friendly tolerance of

one another's contents, she would scan

their titles and read a page here and there,

that Peter might grow up "book-wise."

"Put the books back!" he exclaim

peremptorily. "All the years we lived

as opened a book o' mine, and here are

you, agal that can hardly spell her own

outlandish name, poking into them, spoil-

"I wasn't hurtin' 'em, father," said

ng 'em, and wasting your time!"

ogether, the old woman never so much

One day Reuben caught her at it.

quandery.

"Keep a sensible tongue in your head,

"Gwendoline," he said, more gently

gathered found the grave.

better all live together."

indeed! My Mary's place!"

and would not speak again.

difficult temper.

git along all right."

never-ending lectures.

their little boy.

eceived by him the previous day.

her eyes? Stand aside-now see!"

and I'll do it."

wards on the table, and the old man broke afresh thing of you?. Surely any fool 'd know it

better than a silly woman? I've got a touch it again." "Very well, father," said Gwen; "but good head on my shoulders, and my I was only thinkin'o' Peter, and wonderwife's more to me than she is to any one in' if p'r'aps some day you'd teach 'un else. Tell me what ought to be done, what's in the books." "Well, well!" said Reuben, somewhat "Very well, Mr. Sparrow," said the

mollified, 'he's a good little chap, an' doctor coldly; "but remember that you are human, and if sleep overtakes you sharp enough too. He reminds me of just when you are most wanted, you will Luke when he was a little 'un, but he He gave several minute directions and got a first class head, if only he'd stick to steady work, and not take up with invenleft the house, vexed at Reuben's obstinacy. But the next morning, when he a fine lad-he ought to have married a called, the son's wife was already install ed by the patient's bedside, and Reuben. woman of breeding." with an immense knowledge and superior-

"What's the use of trying to make any

Poor Gwen winced, for of all the shafts in Reuben's quiver of abuse, this was the one which wounded her most cruelly. The sting of the words lay in their partial do it without sticking a stack of hair into truth, for she knew that her kind, clever young husband might have made a better match. And yet she had loved him so him! It vexed her, too, to hear Reuben speak so slightingly of his inventions, for, as a matter of fact, the young engineer had sold the patents of various small labor-saving contrivances, for considerable sums. Only in one case had he failed, and it was hard that Reuben should seem moulded by tight lacing, and a face to remember that so much better than his

Gwen delighted in her husband's work, and rather than let him be disturbed by domestic troubles, played out all her woman's tact in the endeavor to make it appear to him that the fault finding to which Reuben sometimes subjected her, even in with a modesty and good temper which his son's presence, was merely the froth augured well for her readiness to submit of a calm sea of good understanding.

She little imagined that this view of the to instruction and to pick up the little devices of nursing upon which a patient's matter was Reuben's own, till one day, to her astonishment, a neighbor remarked: Old Mary Sparrow was much worse, and "Old Mr. Sparrow thinks a great deal

Reuben, who turned his penetrating eyes of you, Mrs. Sparrow, doesn't he? He drops in now and again, and tells us what alternately upon her face and the doctor's, a good manager you are, and how com-"You look worn, Mr. Sparrow. Go and fortable you make him. He says you are wonderfully thoughtful for such a young "Mind your own work, young man. woman.'

Gwen could hardly answer for surprise, but the discovery that Reuben praised her behind her back, encouraged her greatly, woman, and then, drawing Reuben out of and she tried harder than ever to improve, the room, broke to him as gently as he not only in her management of the house. could, the certainty that his wife could but in speech, style and manner. not live many hours. Reuben would not believe it, and gave vent to expressions of

"You are becoming quite a lady, Gwen." said Luke, one evening; whereat she flushed with pleasure, and Reuben gave a grunt of curious significance, which Gwen chose to interpret as an expression of assent. be alone with his grief. Even at the

"Some day, father, I'll speak quite correct-quite correctly, I mean."

"I hope so," said Luke, so eagerly that Gwen looked quickly up at him, and perceived the strange excitement in his eyes. sent for his son and daughter-in-law, and "I hope so," he repeated, drawing a deep breath, "for I believe I am going to make my fortune, and that would be a lift-up in the world for us all."

. Reuben's face assumed its most sceptical expression.

"You ought to be shrewder than to believe in fortune-making, my boy. Nothing but steady and straightforward work pays now-a-days."

"And isn't it straightforward work to plod away at the elements of invention for years?" said Luke, warmly. "To get to know every discovered application of science to mechanics, so as to be familiar with one's tools, as it were, and then to effect original combinations? I don't want to boast, but my small inventions wife, he asked her seriously whether she haven't failed, and I am justified in believing my big one won't. I have inventwas ready to bear with the old man's ed an electric tram-car, which is bound to "Nobody couldn't help puttin' up with

supersede all others." "Ah, well, my lad, if the patent fetche you all the money it has cost, I'll con her name. "Never you fear, Luke; we'll gratulate you."

Luke was accustomed to his father's incredulity, but to-night it seemed to affect him painfully.

From the time she and Reuben became the "You must try to have faith in me, every action was harshly criticised, if not father," he said endeavoring to speak severely blamed; her management of the calmly, "for I have made up my mind not to sell the patent, but to work it myself, to do which I must throw up my present clerkship, and start an office on my own account. It may involve living on a very little for a while, but it must pay in the

end. Luke's face was full of the exaltation which proceeds from the sense of great achievement-the look of the man who originates, whether artist, poet or invent-

Gwen, with her worshipping eyes, knelt beside him, and drew his arm around her shoulder.

"You will trust me, little woman, and put up with being on short commons for a bit?" asked Luke, smiling at her.

Reuben's thin lips were pressed together as he sat and grimly watched the pair. At

deliberate, chilling contempt. "Luke, you're a fool! Your wife's neve been anything else, so I needn't say the same of her. But for a man who has one grain of sense, to throw up a good place for the sake of pushing a rubbishy invention, that's what I call the act of a fool, was keenly conscious of her own want of and I'm ashamed to have such a fool for education, was ready to put up with much my son. If you think I'm going to spend churlishness to herself, for the sake of my little savings to keep you out of the work house, while you're waiting for a fortune that's to be made out of a tramcar, you're a fool for that, too. As soon as ever you can't pay up, I wash my hands of you, and quit the house. I shan't miss you; there's nothing your silly wife does

ashioned volume of Bacon's Essays, and for me I can't do better for myself!" Luke was in far too excited a state to bear this quietly, and answered with a violence which Gwen sought in vain to soothe. There was a terrible scene, and at the end of a few minutes the fair edifice lay shattered before her.

The hardest time of her married life followed; for Luke, in a state of irritated de termination to succeed, was sorely tried by the dilatoriness and procrastination of everybody whose approval and co-operation was necessary to the bringing out of his invention, and Reuben was more cross-grained than ever. It fell to Gwen's share to cheer and inspirit her husband. Gwen; but unluckily she had laid his to bear the freshly-kindled fire of her only Dr. Harter's Iron Tonic, which imparts

her diminished allowance cover the most

necessary expenses. At last the tram-car was given public Thomas Jefferson Jones' Letter to his trial, and from that day the tide slowly hurts a book to lay it so! Get along! I'll turned.

Nobody hurried to take up the invenput the shelf right myself; never you tion, but still the capital to form a com- had, we liked Miss Catherine the best.

sent him orders for specified inventions. hardly comes up to his father. Luke's their requirements. Some of the requests were absurd, but many presented problems possible of solution, and the demand tions that'll never come to any good. He's for his productions preceding the supply, Luke's work was freed from the anxieties of the man who invents first, and finds his market afterwards-if he can.

At home, it seemed at first as if his suc breach between his father and himself, as his son went up in the world. During the days of anxious poverty, while assaildearly, and strove so hard to be worthy of ing Gwen with ceaseless reproaches, he had exercised much ingenuity in supplying the wants of the household; but now that the privations of the young couple were at an end, he chose to believe that they wished him dead and gone, and when Gwen told him one day that Luke intended to take a larger house, the old man broke out bitterly.

They were getting too grand for him he said. The furniture which he and his old woman had bought when they married, and which he had brought with him to his son's, wasn't good enough for the fine new house, and he'd better betake himself somewhere else with it.

"Don't say that, father," said Gwen, "for wherever we go, your rooms shall have the old things in them."

"Oh, of course, the old things are good enough for the old man!" retorted Reuben, unreasonably. "You'll stow me away in the back rooms, and get new friends to suit your new furniture. No. no! I'll get a room somewhere, and have a woman come in to look after me. I'm used to neglect."

"But, father," said Gwen, patiently passing over a charge she had heard over and over again. "I want you more than ever, now. You see, Luke wants me to be fit to talk to the gentlemen who come to see him, so I thought perhaps you'd teach me out of the books, so that I may know something. Luke hasn't the time, and I don't feel as if I could get on without help. Besides, I can't bear to think of your living away from us now."

"You're talking nonsense," said Reuben. "I've not been so kind to you that you need set yourself against the parting." You are rare good to Peter, and when we were in a bad way, you stood by us, father. That's what I remember. I know your savings are a great deal smaller for what you did for us."

The old man muttered an impatient. "Pooh! pooh!"

Then, raising from his chair, he fidget ed about the room. Then he sat down again, and watched Gwen's needle as it flew in and out of the work upon her knee.

"D'ye really mean you'd like to learn of me?" he asked, at last, doubtfully, "after all the hard things I've said to you?"

"I couldn't have gone on doing for you so long," said Gwen, encouraged by the gentleness of his tone, "if I hadn't known that you thought more kindly of just now, when you said you were used to the big tent for the evening performance,

"No, lass," said Reuben, taking her hand, "I'd no call to say such an untruth as that. You're a good gal; I'll teach you what you like."

After this it was surprising how well Reuben got on with his daughter in-law. Her intelligence delighted him, and he was never tired of boasting of the progress she made in history, arithmetic, grammar and geography. Not but what he often spoke snappishly, but the old constant friction was at end, and past re entment quietly forgotten.

"It seems to me Peter and Gwen ar running one another pretty close," said Luke, looking up from his papers with smile, one evening.

"Bless you, no!" declared Reuber 'Peter is a sharp little lad, but he is nowhere beside his mother. She's one in a thousand, I tell you—one in a thousand!

A Wonderful Discovery. In a paper upon the new anesthetic, hydro-chlorate of cocaine, Dr. F. Moore says: "It can properly be classed among the great discoveries of the nineteent century. Since its use has become so general upon the eye many experiments have been made with it upon other portions of the body. It has a peculiar astringent effect upon the mucous membranes. The last he stood up, and addressed them with nervous centers are anesthized by hypodermic injections of the 4 per cent. solution. It has been used to narcotize the throat and larynx when covered with ulcers with wonderful success. By a few drops applied to a large ulcer upon the vocal cords it has been removed without danger or the least distressing symptom. It has opened up a new field for surgical investigation that bids fair to revolutionize the science in many particulars. In minor surgical operations much has already been done to render a part anesthetic by injecting cocaine into the nervous governing sensation. I have used it with success upon an infant 24 months old. It will become of great benefit in dental operations, and will take the place of laughing gas. By simply rubbing upon the gums or dropping into the tooth cavity all sensation is destroyed. I have cured cases of violent headache by dropping cocaine into the eyes, which influences nerves leading to brain-centers."-New York Tribune.

A Deceived Woman is the lady who uses cometics, face lotio white lead, bismuth, powders, arsenic, &c., in the belief of enriching and beautifying the complexion. It is but temporary, and ultimate ly destroys the skin beyond the power of na ture to restore. Stop it! Stop it now and use favorite Shakspeare open, face down father in law's vituperation, and to make the vigorand leveliness of youth.

THE ESCAPED LION.

Cousin.

Of all the school teachers we had ever

pany was subscribed, and Luke felt his She didn't teach us like old Miss Johnson way grow clear and easy before him. A out of a book, she just sat down and talk steady demand sprang up for the Sparrow ed as if she liked it. And when she told tram-cars, and the dividends rapidly rose. us about Africa, it seemed as though we Luke was made much of, now, and on could fairly see the palm trees, and the all sides manufacturers and speculators jungles, and the big sandy desert, with the trains of camels with their Arab offering him large sums if he could meet drivers coming across it. And then she would draw pictures on the black-board, and explain the tough old sums in compound fractions, until they seemed just as simple as two and two makes four. And when the little children went to sleep she did not cuff them over the ears with a ruler, like old Miss Johnson, and say, 'Wake up! wake up! or I'll know cess would widen, rather than heal the the reason why, you lazy little imps!' but she would put a folded shawl under their for Reuben grew more silent and moody heads for a pillow, and say, 'Poor little dears-they are too small to keep awake. And then she would send them, when they had had their nap out, to pick berries in the woods and gather daisies. And she was so good to all of us that we al most cried when she went away. But she kissed us all around, and said she would come to see us in the fall. She gave every one of us something to remember her by. Joe Kemp had a pocket-knife, and Mary Plumley a tortoise-shell needle-case, and Bessie Barker a pen-wiper like a butterthings she gave us. That's the kind of a Johnson never gave us anything except ing through the woods. poxes on the ears, and hard lessons to learn. Well, it was very lonesome after school

was closed, and Miss Catherine went away. Miss Lyon, her real name was, but the children always called her 'Miss Catherine.' She was awful pretty, I tell you, with long brown curls and red cheeks and teeth just like a slice of cocoanut meat. Joe Kemp said that Squire Bebee's son was in love with her-and J didn't wonder at it, I was in love with her myself; but I didn't calculate she'd wait until I was grown up, so I didn't fret about it much. Where was I? Oh, telling how lonesome it was. Until Meathan's Menageric came. Oh

yes, you may talk about Barnum's Grand Show, but can't make me and the other fellows believe it was half so fine as Meathan's Menagerie. We boys all sat on the fence and watched 'em go by. Three monster elephants with chains around their legs, and Assyrian keepers walking by their si ie-and a bear, and a hyena, and a box of monkeys, and a giraffe, and a Wild Girl of the Woods. Talk, about Barnum indeed! Oh, and I forgot to tell you about the six calicocolored performing ponies that drew the gilded chariot that the Wonderful Giant rode in, opposite to the Unrivalled Dwarf. And we all waved our pocket-handkerchiefs and hollered like mad, when the procession moved by, and the Giant took off his cap, and the Dwarf stood up and made a bow-and didn't we all laugh to see how comical they looked!

Father had forbidden us to go off the premises while the Menagerie was in the place. He said there would be a crowd of loafers, anyway, and nobody could tell what might happen. But we forgot all about that when the procession went by. and we ran hallooing after it until we me than ever you said. You didn't mean it, were tired. And we watched 'em set up and we didn't clear out until the circus man said he'd send for the constable, unless we made ourselves scarce.

Then we started to go home to supper. We were just in the thickest part of Deering woods when Joe Kemp came galloping by us, as fast as his horse could gallop, and, as he passed, he shouted out: 'Boys, boys, the escaped lion is close behind you.'

oossessed. Jim Atkins climbed up the nearest tree, Harry Hoyt hid in a brush pile, (the great gawk, for every time he stirred the branches made such a crack ling that a lion with only half an ear couldn't help hearing him). I ran into the old cabin where the sugar-maple campers used to sleep nights when the sap was running and the kettles boiling, and barred the door with a stick of wood smallest of the lot, squattered down on the against the grain. The Persian slave who have learned the business with the ground and turned the big sugar-kettle right over him. Ifke an Eskimo hut. And slave. His master does not hesitate to as young men they rode the cattle trails. what became of the other chaos I didn't stop to see. Oh, how we trembled-because if the lion should chance to be very hungry, you see, he would smash down everything and eat us all up as easy as wink. And I remember the big lie I told to take their chance; the warmest corner. mother about what became of those plum preserves-and I made up my mind I never would tell any more whoppersand Jim Atkins told me afterwards that the corkscrew-bladed knife he hooked from old Farmer Sowers' hired man seem ed as though it would burn a hole square through his pocket-and Peter Snow wished he hadn't told his grandmother he was going to get a book out of the Sunday school library when he was really going to see the menagerie pass by. Ah, I tell you, fellows, when you think you're within five minutes of being eaten up by a lion, all these little things come back to you looking different from what they ever did before. And suddenly we heard a little, light they do they are treated with great refootstep on the crackling boughs, and a spect on account of the powerful influ-

soft voice said, out loud: 'Why, what can have become of the oys? Joe Kemp said they were all here

by the old sugar camp.' The branches of the brush heap began to rustle—the sugar-kettle turned over and out hopped Peter Snow. I unbarred the door and put my head out-Jim Atkins slid down the tree—and half a dozen other faces peered from other hidingplaces, all crying out:

"It's Miss Catherine! It's Miss Catherine! And then we begged of her to make

haste to some place of shelter. 'For the lion will est you up,' said we. He's escaped! He's in these very woed!' | open. The second eunueh of the heir What lion?' said she. 'The lion of the Menagerie Show,' said

What a ridiculous idea, said young Mr. Bebee, who was with Miss Cathe 'Why, I've just come from there. rine. The show is encamped in my father's meadow, and the lion was fast asleep in his den, chained as tight as a rock. What

heads, boys?

'Joe Kemp said so,' answered we, still looking around in momentary fear of hard labor; the law is the same practically seeing the bristling mane and blazing for them as for others. Mothers are net eyes of the ferocious beast.

'No he didn't,' said Mr. Bebee, beginning to laugh as though he would shake nimself to pieces. 'I heard what he said. was stopping to get Miss Kate some wild flowers in the glen just above here He said-

'He said, "The escaped lion is close behind you,"' cried we, all speaking at

'He said, "Miss Kate Lyon is close behind you,"' corrected Mr. Bebee. And she was. Isn't she here now?'.

We boys looked at each other for minute, and then we all burst out laughing until the old woods rung again. Little Peter turned a somersault over the sugarkettle. Jim Atkins stood on his head which was a way he had when he was particularly tickled. Matthew Dickerman gave three cheers, and we were all so glad we didn't know what to do. And we kissed and hugged Miss Catherine unfly, and I had a humming-bird's nest—and til Mr. Bebee said that sort of thing couldn't begin to tell you half the nice | must be stopped, or he would want to be turned into a school-boy himself againteasher that a fellow likes. Old Miss and we went home, shouting and whoop-But I told mother all about the plum

> preserves before I went to sleep. 'And I tell you what, mother," said I, "it's the last time I'll ever tell a lie.' So then she gave me fifty cents to go to the menagerie. And I'll tell you about it in my next let-P. S.-But don't go to talking Barnum

to me. Anyhow, not until you've seen Meathan's Menagerie. P. S. No. 2.-Ain't it a sell! Miss

Catherine is going to be married to Mr. Bebee, and won't teach school any more And we're to have old Miss Johnson again this fall.

P. S. No. 3.-Everything I've forgotter this time, I'll write you in my next letter.

Slavery in Persia. The best kind of slaves are the Habasshis, or so-called Abyssinians. These are

of a high type. The lips are thin, the color light brown; there is often a distinct red in the cheeks; the hair is long, often nearly straight; both males and fe males have considerable pretensions to good looks. As much as £80 to £100 may be given for a healthy young Habasshi girl. As a rule, these girls are bought not as servants but as wives. Young Habasshis of both sexes are purchased by the grandees of Persia as playmates and confidential servants for their sons and daughters. The girls become the confidantes of their young mistresses and ultimately occupy the position of housekeepers or wardrobe-women. The young Habasshi boys are the playfellows and fellow-students of their youthful masters, often fulfilling the duties of whipping boys." I have seen the little slave and playfellow of the Jellal-u-dowleh, the son of the king's eldest son, child of three, wrestling with his infant master, to the great amusement of his father. The two childred seemed quite like brothers; and I was told that the only way of keeping the young prince in order was to threaten the slave with a whipping. That little black boy some day or physical degeneracy and mental weakness other will be a great personage, as, in all human probability, his master will be Shah of Persia. From this class of slaves are taken the eunuchs (few nowdays) maintained by the nobility. The few eunuch children imported are eagerly purchased at double or treble the price of ordinary slaves. As a rule, the Habas-'What?' says we, but he didn't slack shis are delicate, and feel the severe winup a particle, but kept on a full speed. And then we took to our heels like all ter of central and northern Persia. The master or mistress glories in lavishing money on the dress of a favorite slave. Sometimes the Persian, by a fall in

rank or through money losses, becomes them? No: that would be too degrading He simply frees them, and as a rule the -and little Peter Snow, who was the slave is made a freedman very much then is treated more as a child than as a mate him with his own daughter; and frequently a prepossessing slave may become the legitimate mistress of a household, or even a favorite wife, ruling her less fortunate white rivals. The servants have the best food, the most solid and stylish clothing are kept for the slave. Eunuchs are owned only in the house of the great and rich. Save in the harems of the Shah and his sons, one eunuch only rules over the flock of ladies, servants.

slaves and children, who are all under his absolute authority. I have only known two white eunuchs in a long experience in Persia, and these men had probably been political offenders, or the sons of political criminals. Political pretenders are also frequently blinded; for in the east a blind king cannot reign. The eunuchs generally have their quarters in The average western man holds his eastthe harems themselves; and, as a rule, they seldom quit their precincts. When ence they wield. The ladies themselves always treat their

guardian with the greatest respect, adzeer. Of course he plunges his hand into do nothing for it, but his hand is ever | York Sun.

apparent of Persia is a good horseman, favorite boon companion and a clever shot, generally popular as the prince of good fellows. But the eunuch ages soon. He is an old man at forty; and once seen he is never to be mistaken-his sunken shoulders, his beardless face and his hollow cough mark him out distinctly.

In Persia, slaves are well-fed, wellcould have put such nonsense into your clothed and well-treated; the people look on them as equals, not inferiors; color is no degradation; they are not put to separated from their children, or husbands from wives. They soon become absorbed by marriage among the Persians, and I can fancy no happier lot for the enslaved black than to be sold in Persia.

A Visit to Pitcairn.

The American clipper ship, Snow and Burgess, which recently completed load. ing oil at the old navy-yard piers for Japan, visited an unfrequented part of the world on her voyage from Port Blake. ly, Washington Territory, to Philadel.

Pitcairn island, the spot visited, is a lonely and distant land in the South Pacific Ocean, latitude 25 degrees 3 minutes, and longitude 130 degrees 8 minutes west. It is two and one quarter miles in length and one mile in breadth. The shores rise almost prependicularly, and there is but one accessible landing place, Bounty Bay. The island is covered with a luxuriant verdure, and the bases of its lofty cliffs are skirted with thickly-branching evergreens. Its inhabitants are especially interesting, because they are the descendants of the mutineers of the famous ship Bounty, and are isolated from the entire world. The islanders are described by Capt.

Anderson as a community such as has been the dream of poets and the aspiration of philosophers. James Russell Mc-Coy, the chief magistrate of the country, with all of the men, came off in a large whaleboat and boarded the Snow and Burgess, miles out to sea. They reported the entire population to be 130 souls, all of whom were enjoying good health.

At a distance, the island is completely hidden in the trees, so that from the sea it appears uninhabited. When the men boarded the Snow and Burgess, their dress was a perfect caricature. Some wore long black coats without any other article of dress; others had shirts without coats, and still others wore waistcoats without either of the first-mentioned garments. None had shoes or stockings, and only two possessed hats, neither of which seemed likely to hang long together.

Cats lead charmed lives at Pitcairn. The law in regard to these animals is that if a cat is killed without being positively detected in killing fowls, however strong the suspicion may be, the person killing such cat is obliged, as a penalty, to destroy 300 rats, whose tails must be submitted for the inspection of the magistrate, by way of proof that the penalty has been paid.

The females, nearly all of whom are unmarried, are tall, straight and handome, with black, glossy hair and ivory teeth, and have generally a piece of cloth for clothing, of their own manufacture, reaching from the waist to the knees. Sometimes they carry a loose piece of cloth to protect them from the sun or the everity of the weather. It is said that the morality of the Pitcairn people has disappeared. More immoral conduct has occurred lately than ever before. .

It is believed that continued intermarriage is so small a community has began to produce its usual effects, and that both are likely to appear in the future. For this reason the English government will no doubt remove them before many years. The only business at the island consists in furnishing fruits to passing vessels .-Philadelphia Record.

The Cattle Company Craze.

It is high time the public was warned against investing money in stocks or greatest care is taken of them. They do bonds of cattle companies. The mortgage no real work, and it is not expected of bonds are, when on lands outside of them. They are well clad, and often the Texas and off of the Spanish grants, simply chattel mortgages. If the herd is frozen to death in a blizzard or a succession of blizzards, or sold out clearly to pay interest on the bonds and expenses, the seunable to keep his slaves. Does he sell curity is gone. Another thing must be remembered by would-be-investors in these securities; that is, that the men who have been successful in raising cattle are those herds. As boys they rode on round-ups; They know the business from top to bottom. No man unacquainted with the habits of cattle can successfully manage a herd any more than the men who left eastern work-benches and counters and went to the Rocky mountains could manage silver mines to a profit.

Men who propose to trust their money

in the hands of strangers to be invested in

cattle ranches should remember that the western men are as sharp if not sharper than the eastern men, and that their open bluff manner conceals their resolute determination to have the best of the trade or not to trade. They know the peculiarities of the soil and climate: they know the value of the range; they thoroughly understand all the conditions of the case, and if they sell, it is because they are paid more than the property is worth. ern brother in profound contempt. He does not like his ways, or speech, or clothes. He considers it to be legitimate to loot him. Far-western men, who may leal squarely with each other, never deal squarely with a "tenderfoot."

I know of no business on earth that the dress him as "Master," and invite him to managers can as absolutely clean out as be seated. Like the high officers of State, they can a cattle company. A property he carries a long wand of office, and this worth \$1,000,000 can be stolen and nothwand is often incrusted with gems. He ling left. When a railroad is wrecked, the often attends the daily council of his mas iron, cars, locomotives, and buildings, ter if he be a provincial governor, and though mortgaged, remain. A bank there his advice is listened to with re- rupt mining company can show a hole in spect; and he takes precedence of all ex- the ground for money expended. But a cept the minister vice-governor or Wu- cattle company can be cleaned out so thoroughly that there will not remain the political pie, much to his own advan- property to the value of a calf's tail on tage. He never refuses a bribe. He may the ranch.-Frank Wilkerson in New

TRUE HAPPINESS.

You may tell me of the pleasure In the painter's soul that springs, Gazing on his finished picture; Of the poet's, as he sings Sengs like strains inspired arising, Sweet as notes of silvery flutes, But 'tis nothing to the rapture Of the boy with ruober boots

All the zeal of an explorer Glows within his hardy br. ast, As he mounts the highest snowdrift, Stands upon its lofty crest; Views the wide expanse around him, Makes a sortie here and there, If it's "strong enough to bear. He but smiles when Dr. Wiggins Prophesies the fiercest storm, And despises the attractions

Of the fireside, snug and warm; Barns with envy when the western Towns are flooded by the score, And would like to see the river Rising straight up to his door. But that dear delight denied him, He fall soon forgets his woes, Watching the swift disappearance Of accumulated snows;

of the water left behind, And persuading every streamlet A new course each day to find. Then the muddy sidewalks echo To the squeaking of his boots, And his boat, of shingles fashione Down the rapid current shoots: Then he swashes and he splashes Thro' the flood from morn till night. And the day is scarce sufficient

Sounding all the depths and shallows

For the sum of his delight. Ah! the beauty of the spring-time Has by many bards been sung, And the praise of summer sunshine Is a tale of every tongue. You, perchance, may dream of autumn, With her load of mellow fruits, But for unalloyed perfection, Give me March-and rubber boots! -Ella Rickler, in Good Cheer

Overworked Towels. The towels in Ohio printing offices mu

be comething different from those use up here in Wisconsin. An Ohio print recently used the office towel to har himself with. If a Wisconsin printer co templated hanging himself, the offi towel is the last thing he would ever thin of using. He would get something th wouldn't rip. They are all strong enoug especially those that haven't been wash for five or six months, but it isn't the rig. kind of strength. A printing office tow is usually allowed to wear out of its ow accord, and if a washerwoman were depend on a printing office washing to g her daily bread she would be obliged go hungry. When one of these towels h been used a few years, it looks thin an pareworn, and at last when it can star the wear and tear no longer, the forema appoints a committee of one to take the nains and see that they are decent buried in the alley. It is safe that if printer's only chance of dying was hanging himself with the office towel. would live to be a very old man. T dor arising from one of these towels h been known to put people to sleep, but harm has ever resulted from them. Con sitors who work in a room containing owel that has already seen its best day get used to its peculiarities and overload them, but outsiders invariably swear th there is a dead dog somewhere on the remises. A certain Wisconsin edito who was a tender-hearted sort of man nce took compassion on his office tow that had stood by him through thick an thin since he first started in business, an nade up his mind to have it washed. H took it down gently, wrapped it up in a exchange, and conscious that he was d eart in the direction of his home. As l ved along, he noticed people staring im while a look of pity would come in their eyes. He stepped into a drug sto on his way home to purchase son chloride of lime, that his wife had r quested him to get, and he wondered wh the druggist kept muttering "Poor fe w!" to himself. He began to gro ervous, but couldn't tell why. On ge ting into the street car, everybody looke im over, and then edged away, as thoug they were afraid of him. At last lead of stand it no longer, and went out of the platform with the driver. For a m ent there was silence, and then the driver whirled as though he had been sho ield his nose between his fingers, and n injured tone exclaimed, "Be the por ers, mon, fwhat the divil have you on y lose? It smells as if ye had been det far a month, and jist been dug up, so

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February 24, 1885.

All the zeal of an explorer Glows within his hardy br. ast, As he mounts the highest snowdrift, Stands upon its lofty crest;
Views the wide expanse around him, Makes a sortie here and there, At each rash advance discov'ring If it's "strong enough to bear."

He but smiles when Dr. Wiggins Prophesies the fiercest storm, And despises the attractions Of the fireside, snug and warm; Burns with envy when the western Towns are flooded by the score, And would like to see the river Rising straight up to his door.

But that dear delight denied him, He full soon forgets his woes, Watching the swift disappearance of accumulated snows; Sounding all the depths and shallows of the water left behind. And persuading every streamlet

Then the muddy sidewalks echo To the squeaking of his boots, And his boat, of shingles fashioned, Down the rapid current shoots; Then he swashes and he splashes Thro' the flood from morn till night, And the day is scarce sufficient For the sum of his delight.

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His Scold Day.

"Oh!" remarked Xantippe, with a proonged inflection on the second syllable of of the word, as Socrates slid somewhat hesitatingly into the room and began taking off his sandals. "Oh!" and this time she put the emphasis on both syllables at once and held it there for an instant, while she flashed a glance at her iusband that would have made woodcock

Now Socrates, be it known, had been up to Syracuse for a season, ostensibly to lispose of a county right in some of his new fall styles of philosophy, but in really he was taking in the races and a high old time he had made of it with the boys. "M' love," he said in a mollifying tone while he worked off the sandal and laid it very carefully in the centre of the plush-

rered table, "it—it sall ri'."

pe, with grim humor; "and a trifle too generally. They get \$1.25 a day. The much of it too," she added in a condensed voice, while great scorching sheets of week for board. They can't be blamed lightning began to flame out of her eyes. Go bring me up a hod of coal."

This was too much. Socrates was philosophically prepared for anything in the way of temper, but at coal his haughty nature rebelled. Even the worm expelled will turn the carpet when the latter is trod upon. He drew himself up proudly, and the effort sobered him.

"Xantippe," he said, in the poorest Greek grammar, "is thy husband a dog that he should do this thing? Nay, but enough." "Not strong enough?" Xantippe

echoed, with a rising note that ended in a shriek: "not strong enough?" "No!" rejoined the old man, loudly:

seven days' sojourn in Syracuse?" "Ye-es-oh, ye-es," Xantippe assented, in a hysterical scream, and the neighbors could tell by that that something

rich was impending. "Well, then," Socrates boldly concluded, in a tone of dignified triumph, "that settles it, for it is a well-known proposition, long since laid down and established by the ancient Jews, that seven days make one weak. Lug up the coal yourself." And with that, children, he got into bed without the formality of removing his other sandal.—Boston Journal.

A Freeze-Out. The revenue raiders have some very thrilling experiences sometimes. A few nights ago, says The Atlantic Constitution. a party of raiders were up the Marietta and North Georgia Railroad. In the party was a very quiet but utterly fearless young fellow named Lee Cape. The party approached a distillery in which five men were at work, and as the place was being surrounded the moonshiners discovered that something was going wrong; They made a wild dash, every man going in a different direction. Near by was a creek about fifteen feet wide and eighteen inches deep. The night was one of the coldest of the recent severe weather. A distiller made a bold dash toward the and insisted on shutting the windows. creek. Lee Cape was on the off side of Dr. Mary delivered a piece of her mind on As the moonshiner approached one bank of fifteen minutes Col. Hunter looked in Lee came up on the other, both panting at the door cautiously, and seeing the from the violent race. Without hesita- coast was clear, re-entered. "Kerens," he did so Lee Cape, from the opposite | wasit?" - Washington Cor. St. Louis Globe bank, presented a big revolver and said;

The moonshiner stopped in the middle

of the stream. "Don't run," said Cape.

"Hello, Lee," observed the moonshiner, standing half-waist deep in the icy waters.

and give up." "You come in here and take me if you want me."

"You run and I'll shoot you."

"I won't run." "Well, come out, then."

"I won't." "Well, stand there."

"I'll do it."

stand it if you can."

At last he said: "Lee!"

"Hey?" "I'll have to cave; I'm coming out."

"All right." And the blockader, shivering and freezheart in the direction of his home. As he Lee marched him into camp.

At a Frozen Harvest. Snow, thigh-deep in the woods, knee deep on the frozen marshes, hems in an army of ice-cutters who are now harvesting the white acres of Wolf Lake, an irregular body of water five miles long and half as many miles wide, lying near Sheffield. Ind., seventeen miles from Chicago. There are no paths connecting that cold desolate spot with the outer world. The snow is a barrier which the ice-cutters

seldom cross during their busy season. About 200 men were working in a snowstorm on the lake the other day when the

place was visited by a reporter. "If a man hasn't anything the matter with his lungs," said one of the ice-cutters who was leaning on a long iron-tipped pick waiting for a raft to come up the channel, "there is no more healthy work for them than ice-cutting. How do we for miles. The sea looked so mild and keep from getting cold? Three woolen shirts, two pairs of woolen socks, two edges of the mighty barriers that it seems pairs of woolen mittens, thick boots, a an effort to fency it an enemy capable of big woolen cap, and a muffler for the face mischief. The breezes were simply delikeep me warm in the coldest weather. Then I always throw water on the bottom North Sea. Inland the scenery was flat of my trousers' legs so they will freeze to and grim and serious. Farmsteads in the my boots and keep the wind out. But far distance looked green and fat enough. some of the men are careless. The wind Sheep and kine were plentiful about the is awful out here, there's no doubt of rich fields. Just over the dykes were the that, for every day somebody gets his face little scattered hamlets of the fisher peofrozen. Big, purple ears and swelled ple and the poldermen; the dyke-workers green hands. A new beginner who doesn't here and there as their work called them get a finger or a toe frozen the first day from one point to another. Sometimes danger of freezing when you once understand the business. This is a good place for a man to let his beard grow. There's nothing like a beard for cold weather." The man stroked with one huge, mittened hand, a thicket of long, red hair, which wherever the tempest would spare them covered nearly the whole of his face.

the water?"

"Why, that all depends on whether you're careful or not. A man can fall in easy if he don't look out. Somebody tumbles in every few days. You notice that lots of the men wear big leather belts outside of their coats. They are to drag them out by if they fall in. A pike hook- it played about the tail of the weather ed under one of those belts will yank a man out on solid ice in no time. The chap who's in the water can't do very day and night, calm and storm. No wonmuch for himself after the chill strikes

"What kind of men usually come here people here! to cut ice?"

two boarding houses here charge \$4 a for charging so much, for ice cutters eat more than any other men. They eat awful piles of meat and potatoes and drink enough coffee every day to drown themselves in. They could eat four meals a day and still be hungry. The provisions all come from Chicago."-Chicago News.

Dr. Mary Walker and the Cattlemen Mr. Teller's ante-room to-day waiting for

an audience with the Secretary of the Insome errand. The doctor abhors tobacco smoke. Just as she came in Col. R. D. Hunter of St. Louis, had found a comfortable position and was puffing away contentedly at a cigar. "Poison! Poison! ejaculated Dr. Mary, lifting her cambric 'have I not but just returned from a handkerchief to her nose and commencing to cough. It was Col. Hunter's first meeting with the Washington celebrity. He "I thought this was a room where ladies could come without being insulted by gentlemen smoking in their presence." Col. Hunter stared at the speaker and then at her trousers, whereat Denman, Kerens, Fenlon, and the other cattlemen began to "No." "I don't mean gentlemen," continued the doctor, "No gentle. man will smoke in a lady's presence." Col. Hunter got up and walked hastily out of the room amid the snickering. Dr. the windows and continuing her denunciation of the weed. While she was in the midst of her lecture in walked the venerable ex-Senator Thayer, of Nebraska, with a cigar in his mouth. Dr. Mary, in a spiteful tone, renewed her objections. Gen Thaver laughed and smoked on. The doctor became furious. "An old grevheaded man who will do that is a man I would expect to beat his children and abuse his wife," she snapped out: Then Mr. Teller's colored messenger came in

How China Got its Name. Upwards of 1,100 years before Christ the Chinese were a people ruled by a dynasty of kings, of whom, like the Pharoahs of old, there is no clear history, and "Hello, Mose," said Cape, "come out not until the "Chow" dynasty, B. C. 1125, is there any clear history of the main Chinese State. The Chinese take their history back to the time of Noah. This many names, for it was a custom when que, Chum-que, Han-que, etc., according to the name of the ruling monarch. The "All right," said Cape; "you'll stand in true name is said to be Chum-que, "the that water and I'll stand here. I can center kingdom of the world." This term was by usage corrupted to Chin-que, and The moonshiner's teeth began to chat- from this word the Portuguese gave it the name of China. China proper consists of eighteen provinces, containing 250. 000,000 people.—English Illustrated Mag-

Democrat.

Along the Dykes of Holland.

Skirting along the dykes we had a good ing, came up dripping from the creek, and opportunity of seeing some of the incessant toil, some of the constant engineering and battling with the sea, to keep it at anything like a safe distance. The dykes about this island are perhaps the finest, the most constantly guarded, in all the country. The dyke-workers are a distinct class-a guild, in fact, jealous of their craft and its rights and privileges. It is not the first-comer who may be a regular dyke-worker, even if he should wish to be We saw great gangs of them going from point to point with pick and shovel, ever on the look-out for weak spots in the great embankment, ever refacing it with miles of concrete, and strengthening every point with strong groins running

into the sea.

It was almost pathetic to note with what solicitude every blade of the binding bent grass was coaxed to grow. Every little tuft was watched and tended as if it was a choice tulip. The top of the dike formed a level, firm road, stretching away gray and innocent as it gently lapped the cious and fresh, coming over the wide noses are common enough among the lived more of a roving life, camping out always feels lonesome. But there is no the wind had blown up and the seas tossed up great long meandering mounds of sand, helping to back and strengthen the dykes. On these billowy hillocks the grass was carefully planted in little regular tufts, and stunted pines were set to grow. All sorts of binding vegetation "Is there much danger of falling into were carefully protected. The very children knew enough to let it alone. We stopped at Zoutland, and climbed to

the top of the dunes to look about us and sniff the sea breeze. Down far below us lay the village-so far that had the waters swept over the rim of the sandy dyke the sea would have only reached its level when cock on the gray old church tower. There are watchers ever on the lookout, der that the set, anxious look one sees on him. The first douse is the worst, but it every face, that seems to be born with don't get funny no matter how long you every babe, should be the only characteristic expression one remarks among the

When the watchers of the dykes see "Most of them are Swedes who can't danger the alarm-bell is rung, and every "I know it's all rye," retorted Xantip- talk English. They are a funny crowd soul either flies to the dykes for safety or red."

to help the gangs of workers to stop the threatened breach. All was calm enough at that moment; the tide was far out, and yet the village seemed far below its level. The cottage window lights were twinkling in the gloom, as evening was just coming on. The church bell was tolling for evening service and the warm glow of sunset just touched the top of its tower. Through the tall lancet windows one could see a flush of warm lamplight within. All sounds and sights were of peace The western cattlemen were sitting in and calm, and yet there somehow came upon the imagination the grim reverse of the picture, the clanging alarm-bell, the by my striped toga, no! I am not strong terior, when Dr. Mary Walker entered on hurrying to and fro, the wild flight for safety from the mad, hungry sea. We were feeling deadly oppressed by the prevailing seriousness of the place. - George Boughton, in Harper's.

> Mark Twain as a Business Man. "Uncle Bill," in the Chicago Herald

Prosperous enough is Mark Twain. He sat bolt upright and hastily put his cigar is in town this week. He has a hard head out of sight. The doctor saw she had for business. Everything that he says or made an impression, and she hastened to does is slow, laborious, selfish. He makes follow it up. Glaring savagely at Col. no move without careful consideration of Hunter, she opened her tirade like this: the effect that it is likely to have on his fortunes. He married wealth. He declined to share the profits of his book with the publishers, but established his own agency for their mannfacture and sale; and so, instead of getting only 15 or 20 cents for each \$2 volume, clears everything above the merely mechanical cost of production. He invited George Cable, the novelist of Creole life, to spend a few weeks at his Hartford home. and at the end of the visit a con-Mary rushed around the room raising all tract had been signed for a joint lecture tour, which is financially successful to a surprising degree. It is owing to hard sluggish work, rather than to any spontaneity of genius, that Mark makes the world laugh. His best after-dinner speech, the one about New England weather, was in its delivery the perfection of drawling, careless, impromptu speaking, and it began with an intimation that having a few minutes before been apprised that he would be called upon to respond to the weather toast, duplicate copies of his ensuing witticism were already in the hands of the newspaper reporters, and the stream and put out to intercept him. "niggers" and departed. In the course he had been over a week at the composition. He is similarly industrious and painstaking in the matter of interviews. He usually will not talk off-hand for pubtion the fleeing 'stiller plunged in, and as said he in an awe stricken voice, "what lication, but will provide the neatly written copy if the applicant chooses to wait ountil it can be prepared. He is understood to be just about a millionaire-a third by marriage, a third by bookmaking, and a third by lecturing.

VARIETIES.

APROPOS of earth, they tell a good story of Judge Jackson. He went out to one of the new towns of the Far West, which was built on side hill. Real estate was booming, and real very ancient Empire has borne in its time estate speculators flocked around him. One of them conducted him to a lot about as de a new dynasty ascended the throne to sirable for a residence as a perpendicular wall, give another name to the Empire, as Hai-one Chum-que Hanque etc. scoording \$6,000! Ain't it fine?" "Ah, but it's too steep in topography and

"That's just it," said the real estate man You see that lot below it? Well, the man who owns it will have to have dirt to fill it up, and he'll give you \$5,000 for the earth graded

from your lot."

The next day another real estate man said "I'll show you a piece of property. There's a fortune in it. Look there!" and he pointed toward the lot below the side hill that the other speculator had offered him.

"Yes, but look at that lot above it," urged "That's just it," replied the speculator. 'The man who owns it will give you \$5,000 for a place to dump the dirt when he grades down

The Judge did not buy any perpendicular real estate.-Cleveland Leader. A Young Irishman visited Rome, and there

met a friend and fellow countryman whe was pursuing the avocation of butcher. The butcher acted as guide; and this is a part of Pat's story of sight-seeing, as told to his sweetheart upon his return : "The most wonderful thing I saw in Rome

was a shtone man."

'A shtone man!" ejaculated Mary. "Yes," replied Pat; "and they called bim the Polly Belvedere. As we were looking at the shtone man, says the butcher to me. says he: 'Pat, you and the Polly Belvedere are very much aloike ' And be that, we measured I was broader than him in the fut, but he was higher than me in the inshten. I was larger than him around the ankle, but he had me in the calf of the leg. My knee was larger than his, but he was better than me in the thigh. My belt was twice as large around as his, but his brist was twice as large around as mine Then, again, my neck was much larger than his but his head was much larger than mine. But, as the butcher said, on the general aver age we were just about the samething."

Among the regular passengers on a certain Boston railroad is a somewhat celebrated chemist, who has lately compounded a mixture fo the cure of cholera. The other evening he was in conversation with a conductor regarding his discovery, and being very much interested in its wonderful medicinal properies, he raised his voice so as to attract the attention of all the passengers in the car. "Why," said he, "my medicine will knock the cholera higher than a burnt boot. I wish it would come here, and I would show you how quick I could conquer it and make my fortune besides." "What's the matter with your going out there where it is and wrestling with it? blandly suggested the genial conductor. "Why, I might catch it myself," innocently replied the would-be cholers exterminator, and the roars of laughter that filled the car at that momen so confused the worthy inventor as to cause his sudden retirement to the smoking car.

AARON BURR was noted for being a ver egotistic man, and an unbeliever in all the doxies of the day. He attended church in Albany, N. Y., with regularity, and always made it a point not to come in until services enced, it was supposed for the sake of being noticed when he walked down the aisle to his seat in the first row from the pulpit. The church authorities asked the pastor o publicly reprimand him, which he did in the following manner: As Burr was walking down the aisle, the minister stopped in his discourse and said: "Sir, I will appear at the adgment seat against you." Burr drew up his little figure, and in his rich bass voice said evidence the most degraded and to be despis.

every part of the system, effecting a radical ed."

Consequence the most degraded and to be despis.

every part of the system, effecting a radical and permanent cure of catarrh. 100 doses \$1.

EVOLUTION .- As they were all coming out of the theatre together, young Sypher accidentally trod on the dress of the pretty girl just ahead.

"Oh, shoo!" involuntarily exclaimed the pretty young girl, as she suddenly brought Young Sypher thought he had a chance for

"You needn't shoo me," he simpered smartly; "I'm no cow,"

"No, the pretty girl replied, with a glance that pinned him to the side of the lobby, "perhaps not, now, but you will be when you grow up.

Then she swept on, while young Sypher

was so astounded that he actually forgot to light his oakum stuffed cigarette when he got A MAN of middle age entered the office of an

evening paper yesterday to seek employment. "What can you do?" inquired the city

"Write leading articles." "Next room, please," and the city man resumed work on a pile of copy. "What can you do?" asked the editor-in-

"Write leading editorial articles."

"Did you ever work on a newspaper be fore!" "No." said the applicant, contemptuously, 'but sure I'm reading 'em since I was the height of your knee!"

"I'm wearing boots since I was four, and I can't make a pair!" said the editor. Applicant disappears.

Ambitious to BE Big.—Paul, a little five year old, was very ambitious to be big. He had a playmate two years older than himself, and it was a source of some unhappiness to him that he wasn't as "big as Tommy Jones." "Some day I'll be big as Tommy, wou't I, mamma?" was his frequent cry, and his mamma had told him ves.

One day Paul went away for a long visit, and after several months returned. The first thing he did was to run over and see Tommy. Presently he came back with a disappointed look on his face and his eyes big with aston-

"Why, mamma," he cried, running up her, "Tommy Jones is bigger than me yet!"

OUT OF PERCENTAGE.-"Oh, Mr. Smith," said a young lady at a church fair, "I want your help for a moment." "Certainly," replied Mr. Smith, "what can I do for you?"

"I have just sold a tidy for fifteen dollars, that cost fifteen cents, and I want you to tell me what percentage that is."
"A transaction of that kind, my dear Miss out of percentage and into larceny,"

Chaft.

If men are so wicked with religion, what would they be without it?

Happiness: An anomaly—abiding with us most when most we dispense it to others. The majority of fellows who attempt to make un of a mother-in-law were never blessed with It has been remarked that some give accord

ing to their means, and some according to their meanness. If we fasten our attention on what we have, rather than on what we lack, a very little wealth is sufficient.

The Princess Beatrice is the mistress of five tongues. Her promised husband should take

Awkward Idiot—"Your train is quite long, Miss Lucy." Miss Lucy.—"It will not be so long if you take two feet off it."

A German scientist has counted the hairs on his wife's head, and quotes her at 128,000 to the inch. We don't see how he could tell which was switch. The woman who shakes the mat on the door-step may fill the public eye, but the man who recklessly shovels snow off the roof makes

more striking impression. "Ah! you flatter me," lisped a dude to a pretty girl with whom he was conversing. "No, I don't," was the reply. "You couldn't be any flatter than you are."

Clerk—"You are buying a great many rib-bons, miss." Fair Purchaser—"Yes; I am getting them for a german." Clerk—"Why, what is he going to do with so many?"

A "condensed" edition of Webster's dictionary is announced. This may improve the work without destroying the plot. We have always regarded the volume as too prolix. Class in Social Economy:—Professor—" Mr. Meninges, what would you suggest as the first step necessary to the discouragement of divorces!" Mr. Meninges—" Fewer marri-

An enthusiastic Blaine girl in Oakland, Cal., last week paid a bet of 100 kisses. The next day the young man claimed a recount, and the girl has consented rather than throw the case into the courts.

"You are a very clever fellow, sir," said an attorney to a witness whom he had failed to shake on cross-examination. "Sir, I am on my oath or I would say the same thing of you," was the grateful reply.

"What would you do if I should die?" asked a wife of her husband asshe laid her fair, white arms around his neck. "Well, really, my love, I hadn't thought of it," he answered, abstract-edly; "but I presume I'd bury you." A man who had been in one of the West Shore smash-ups, was telling his wife that he had been detained by an unfortunate train of circumstances, when she exclaimed: "I think

circumstances, when she exclaimed: "Ithink you'd better say the circumstances of an un-fortunate train." Scene in the Chinese War:—Captain of ironclad to artilleryman—"Do you see that Chinese general there, about three miles off? Let him have one of those eight-inch shells in the eye." Artilleryman, equal to the situation—"Aye, aye, sir; which eye, your honor."

An Isishmap who was sleeping all night with a negro, had his face blackened by a practical joker. Starting off in a hurry in the morning, he caught sight of himself in a mirror. Puzzled, he stopped and gazed, and finally exclaimed: "Be jabers, they've woke up the wrong man!" wrong man!"

A little four year old girl went running into the house the other day, exclaiming: "Mam-ma, mamma, I've seen Jack Frost! I've seen Jack Frost!" "Where did you soe him, my darling?" queried the mother. "I saw the tip of his tail hanging over the eaves." She had seen an icicle.

After the new boy, but lately employed in a surgeon's office, had carefully sprinkled the icy sidewalk with ashes he was called up stairs, given a week's wages for his misguided enterprise, and gently but firmly told to go home to his mother. It was explained by the surgeon that the lad was entirely too fresh. Mr. Francis N. Bangs, who has been paying also compliments to "the terrors of the press," Mr. Francis N. Bangs, who has been paying his compliments to "the terrors of the press," once said to a reporter of a daily paper: "Thank God, there will be no reporters in Heaven!" "You are mistaken," the embodied "terror" gravely responded; "there will be a recording angel." Mr. Bangs was so overcome by the announcement that he was unable to smile at the witticism.

It is related that many years ago a Mr. Morgan, who represented Westmeath in the House of Commons, while on his first canvass called on Father Mooney. an influential priest, and asked him for his vote. The latter replied: "Sir, I'd rather give it to the devil." "But," said the sanddate, "in the event of your friend not coming forward for the county, what then?" He got the vote.

Catarrh is a very prevalent and exceedingly disagreeable disease; liable, if neglected, to "Sir, in all my legal practice I have considered develop into serious consumption. Hood's that class of criminals who turned State's Sarsaparilla, acting through the blood, reaches

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Ringworm Humor and Salt-Rheum. RINGWORM Humor and Salt-Rheum.

RAYNHAM, MASS., Aug. 12, 1878.

C. I. Hood & Co.: Gentlemen — * * * *

I have had ringworm humor and salt-rheum so badly that my body was covered with raw sores; so, also, my head and face. I have had any number of doctors in the last seven years, and none of them ceuld cure me. One day my mother was in the city of Taunton, and found one of your cook books, and in reading it I found many people testifying to cures from the use of your Sarsaparilla and Olive Ointment. I lelt forced to try it, although I had seen many things advertised that never did me any good. I have now taken two small bottles and one large one of Sarsaparilla, and used three boxes of Ointment. I now call myself cured. Nothing can be seen of the humor but the dim outlines of the sores. I shall take two more bottles, and then the cure will be complete. I am gratefully yours,

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Biliousness, Sick Headache.

Biliousness, Sick Headache.

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MESSRS. C. I. HOOD & CO.: Gents—Please send me by express two bottles Hood's Sarsaparallal and a few Cook Books for distribution. Your preparation has worked wonders in the case of my wife, who has been troubled with sick headache and biliousness for years. She only took one-half teaspoonful at a dose, and has not been so well for five years as now. She found that within a week after taking it she felt very much better, and is now entirely free from those severe headaches. She has not taken any of any account since last spring, and what little she had is lent to do some others some good, and we must have it in the house.

Yours truly,

HOMER B. NASH.

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"A transaction of that kind, my dear Miss B—," said Mr. Smith, who is a lawyer, "gets out of percentage and into larceny,"

Hair.

CUTICURA SOAP, an exquisite Skin Beautifier and Tollet Requisite, prepared from CUTICURA, is indispensable in treating Skin Diseases, Baby Humors, Skin Blemishes, Chapped and Oily Skin. Send for "How to Cure Skin Diseases."



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OTHER, If the dealer YELLOW does not keep it, write us to know where and how to get it without BUTTER extra expense.



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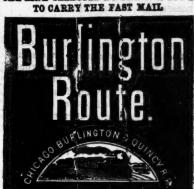


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PERCEVAL LOWELL, PERCEVAL LOWELL, Gen. Pass. Ag't Chicagon and Coupon and Coupon

inest Equipped Railroad in the World for all classes of Travel.

MORTGAGE SALE.—Whereas, default having been made in the conditions of a cartain mortgage made and executed on the twenty-fourth day of May, in the year of our Lord one thousand eight hundred and sixty-nine, by Isabella Dixon, of the township of Dearborn, County of Wayne and State of Michigan, party of the first part, to Edward S. Snow, of the same place, party of the second part, and recorded in the office of the Register of Deeds for Wayne County on the twenty-fifth day of May, A. D. 1869, in liber 61 of Mortgages, on page 494; by virtue of whice said default the power of sale in said mortgage contained has become operative, and whereas there is claimed to be due and payable, at the date of this notice, upon said mortgage and node accompaning the same, for principal and interest the sum of two hundred and sixty-two dollars and twenty cents (\$202 20), and no suit or proceedings having been instituted at law to recoventuade to rany part thereof secured by saidmortgage and of the statutes of the State of Michigan, in such cases made and provided, the undersigned will sell at public auction to the highest bidder on Monday, the fourteenth day of May, A. D. 1885, at twelve o'clock noon of said day, at the easterly front door of the City thall, in the City of Detroit, in said Wayne County, (which is the place of holding the Circuit Court for said County), the premises described in said mortgage, or sufficient thereof to satisfy the said indebtodness, interest thereon and the costs and expenses of such sale allowed by law; said premises being described in said mortgage, or sufficient thereof to satisfy the said indebtodness, interest thereon and the costs and expenses of such sale allowed by law; said premises being described in said mortgage of such sale allowed by law; said premises being described in said mortgage of such sale allowed by law; said premises being described in said mortgage of such sale allowed by law; said premises being described in said mortgage of such sale allowed by law; said premises being des MORTGAGE SALE.—Whereas, default

HERBERT M. SNOW, Attorney for Mortgagee.

Attorney for Mortgagee.

DEFAULT having been made in the conditions of amortgage dated July 11th, 1884, given by William Millar and Robert Millar to William F. Atkinson, attorney for Farrington & Co., which mortgage was recorded in the Register's office for Wayne County, Michigan, on July 11th, 1884, in liber 190 of Mortgages on page 228, and there being now due thereon by reason of said default the sum of four hundred and fourteen dollars (\$414) I hereby give notice that by virtue of the power of sale in said mortgage I shall on the 25th day of April, 1885, at one o'clock P. M., at the Griswold Street entrance to the City Hall in Detroit, in said County, (that being the place for holding the Circuit Court for said County), sell at public auction the premises described in said mortgage, vis: Lots two (2) and five (5) of Subdivision of lot five (5) and lot eight (8) of the subdivision of lots one, two, three and four of Wesson's section of the Labrosse and Baker Farm, on the north side of and fronting on Millar street, between Sixth and brosse and Baker Farm, on the north side of and fronting on Millar street, between Sixth and Seventh streets, in Detroit, in said County. WILLIAM F. ATKINSON, Attorney, &c., Mortgages. Dated Detroit, January 23d, 1885.



A PRIZE Send six cents for postage, and receive free a costly box of goods which will help you to more money right away that anything else in this world. All, of either sex, succeed from first hour The broad road to fortune opens before the workers absolutely sure. At once address TRUE & Co., Angusta, Maine

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PATENTS! Thomas P. Simpson, Wash-for patent until obtained. Write for inventor's galact 717-18t



CREAMERIES-NOT SO FINE AS THEY MIGHT BE. FAIRVIEW, March 18th, 1883.

To Editor of the the Michigan Farmer.

A few words from this, the oldest and, we think, the best dairy section in Michigan, may be interesting to your readers if not useful. Two years ago a few creameries were started, and some of the patrons of our cheese factories were persuade to try that way of disposing of their milk. They seemed very well pleased early in spring, when the price of butter was about twice that of cheese. They received cash every Saturday for their cream and retained the skimmed milk to raise calves and pigs. But as the season advanced and the price of butter grew less every week, and the weather grew hotter and the gauge of cream diminished, their faces began to lengthen until one could pick out the creamery men in any gathering. No story was funny enough to make them laugh. At the end of the season the cream, calves and pigs, all told, violded about \$35 per head for their cows, while their neighbors who stuck to the cheese business received \$50 per head for their cows.

I think no man who is accustomed to making cheese would ever patronize a creamery but sone season. It gives one the price of ordinary butter on the street each week is just what he gets for his cream. The milk is set in deep cans with a device at the top to show how deep the cream is; this is spaced off by lines and numbered; each space is called a gauge and each gauge shows how much cream is guessed will make a pound of butter. When the agent of the creamery comes to a farmer's door he inspects the cans, notes the dividing line between the milk and cream and places the number of gauges to the farmer's credit, then skims, taking off what he chooses. Why not? The buttermilk is worth more in the city than the farmer can get for new sweet milk. I have heard of some farmers who did their own gauging, skimming and churning a few times until satisfied that the gauges were made to favor the buyer. Patronizing a creamery may be preferable to skimming and washing milk pans, but it is by no means the best way. Better, brother farmers, buy your own cans and do your own gauging, skimming, churning, and marketing, and you will make better butter than any creamery can after "toteing" the cream ten or fifteen miles in a hot day, or cool one either. If you sell cream you have all the trouble of cooling the milk, washing pails, cans, etc., just the same; all you save is churning and marketing the but-L. C. DRAKE.

LIGHT SOILS.

BRIGHTON, March 15, 1885.

To the Editor of the Michigan Farmer. Seeing so much interest taken in the question of the proper cultivation of light soils, I thought I would give my experience. For several years I have been on a farm with a light soil. Now, if the land is light, and leaches, as most light soils do, you can put all the manure on you like, and the next year you will have to repeat the same practice. The man who says he can fetch up a light sandy soil, and make it produce a good crop without feeding the soil every year, must have a different soil from mine. Some years he may get a good crop, but the nature of the soil is not there. If you can get a good catch of clover, plow it yesterday at 34c, with sellers now asking 344c; under, and you get a very good crop; but No. 2 are quoted at 33c. Street prices are 32@33c then you may get more straw or stalks than grain; if you get too much manure, unless it is rotted good, your crop will burn up. The manure takes all the moisture. When the wet weather in the spring starts the crop it will grow very good, but when dry weather comes on the crop stops growing. There is no natural strength in that kind of soil. The "farmer from Genesee" advised the use of the roller. Now my experience has induced me to keep the roller off the land entirely. Which will retain moisture the longest loose ground or hard? Every farmer will say, keep the cultivator going in the corn till the dry weather comes. The more you cultivate the looser your ground is, and the more moist it is. Light soil wets quick, gets dry quick; the looser the soil is the quicker rains penetrate. If you roll, the top becomes crusted, rain runs into pools, don't soak in, don't soak the land soft, unless it be a slow long rain. Take loose ground and a heavy dew will make the ground quite moist.

As to sowing clover, the looser you ground is the quicker the clover will start. have found the best time to sow clove seed is in March, on the snow if possible When the snow goes off it softens the ground more than a rain does, and the seed settles into the ground much easier than with a rain. The clover crop is very uncertain on light soils; if you get a good catch it is often killed by dry weather; if not by that it winter kills. Timothy is as bad as a crop of wheat or oats on light soil. There is no such thing as large crops in succession on light land. He also speaks of ashes; they are good, and I think the land retains the effect longer than that of any other fertilizer. You may be sure if you want a good catch of clover you must crop one year and then summer-fallow, not sow on sod turned down; so I find. I have planted corn the next spring; put in oats, sow clover on after I am through dragging, and never roll. I have tried it, but find it better to keep the roller off. I have tried salt on corn, find it good; ashes are as good, except I think salt keeps moisture better. I had just as soon broadcast, the more the better. And as to deep plowing, I have plowed deep: think it best if you are putting manure down. Plow deep, keep the roller off. I think with "Genesee" plaster is good for clover, but have not used any for some years; don't think it as good as it named to be. To the man with a light soil I would say, sell or give it to some one who can afford to experiment, as there is plenty of good land that you don't have to nurs all the time. Perhaps my soil is werse than yours. I may say something in the future. F. HACKER.

Beterinary Department

Oenducted by Prof. Robert Jennings, late of Chiladelphia, Pa., author of "The Hores and its Diseases," "Oattle and their Diseases," "Sheep, Avines and Poultry," "Horse Training Made Busy," etc. Professional advice through the column of this journal to regular subscribers free. Parties desiring information will be required to tend their full name and address to the Office of the FAUXEN. No questions will be answered by useli unless accompanied by a fee of one dollar. In order that correct information may be given the symptoms bhould be accurately described, how long standing, together with color and age of animal, and what treatment, if any, has been resorted to. Private address, 501 First Street, Detroit.

Curb in Horses.

JONESVILLE, March 13, 1885. Veterinary Editor Michigan Farmer.

DEAR SIR:-I have a five year old bay horse with a small curb of about one year's standing; can it be taken off and how; answer through the FARMER and

Answer .- Not having seen the animal we cannot give a positive opinion regarding the curable condition of the curb in your horse. If a simple one it may be cured if properly managed, but if the result of breaking down of the hock joint it is incurable. Treatment-Apply the following: Tincture cantharidies, one ounce; Oil Tiglii, fifteen drops; mix and shake no chance to hold for a better price or well before using; wet the curb with the take any advantage of the markets, but liquid but do not rub it, or it will have no effect. In two or three days apply a little lard or cosmoline; wash occasionally with castile soap and water, and when the scurf is all removed make a second application if necessary.

> Probable Partial Luxation of the Cervicle Vertebræ in a Horse.

UNADILLA, Mich. Veterinary Editor Michigan Farmer.

I have a horse, brown in color, ten years old, weighs about 1,200 pounds. He got cast in the stall about six weeks ago, and lay all night with his head drawn over his right shoulder; when released he could not stand for twenty-four hours and his neck is not straight four hours, and his neck is not straight yet. What is best to be done for him? The neck is bowed out on the left side, and hollowed on the right side. The horse feels well. Subscriber.

Answer.-The best advice we can give you, is to call in the services of an experienced veterinary surgeon and be governed by his directions,

COMMERCIAL.

DETROIT WHOLESALE MARKET.

DETROIT, March 24, 1865. Flour.-Receipts for the past week, 1,589 bbls. against 3,107 the previous week, and 3,082 bbls. for corresponding week last year. Shipments, 3,360 bbls. The flour market is quiet and unchanged. Demands for local trade are fair. Buvers take only small lots; stocks he'd are very light. Quotations yesterday were as follows:

 Michigan white wheat, choice
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 26</td Wheat .- Warket vesterday opened quict but a

shade higher, and under favorable advices from other points values advanced 1/4@ 3/c above Saturday's closing fit ures, with a steady market. Clos ing quotations were as follows: No 1 white, 87%c; No: 2 red 86c; No. 8 co, 75%c. In futures No. 1 white for Arril delivery sold at 88c, May at 89%c, and June at 90%c. No. 2 red for March deivery closed at 86c, and May at 88c.

Corn .- Market quiet and very steady. No. 2 is quoted at 431/sc for spot, 481/sc for May and same for June delivery. High mixed spot sells 421/sc and new mixed at 42%c.
Oats.—In better demand. No. 2 white sold

Barley.-In fair demand. Choice State samples mmand \$1 35@1 40 per cental, and fair to good at \$1 25@1 30. Fancy samples would sell at

Rve.-No. 2 is quoted at 63@65c per bu., and i. firm. Very little moving.

Feed.—Bran, \$14 00 per ton. Middlings are

steady at \$14 50@15 00 for coarse, and \$16@18 for fine; corn and oats, \$18@19 per ton. Receipts are light and market firm. Corn-meal.—Quiet and steady at \$18@19 for

Butter-Market dull, with large receipts and stocks. For the best of the ordinary receipts of fresh made table butter dealers are offering 16c. Low grade stock is quoted at 6@10c, and ordinary o fair at 1216@14c. Creamery scarce and quote

Honey.-Market steady at 13@14c per lb., the Beeswax .- Quoted steady at 85@38c W to in Cranberries.-Very few in the market, and de

mand light. Quotations are \$4 25@4 75 per bushel yesterday showed more animation. Prime sold a^t, \$4.85, and No. 2 at \$4.72½c per bu. At Toledo

nedium at \$4 50@4 85 per bu.

Dressed Hogs.—Quiet. Receipts are light.
Retailers are paying \$5 75@6 for light o. medium

weights; heavier would be dull at \$5 25. Grain Bags.-American A, \$18 50; Stark A.

Hay.—Baled hay firm and in good demand at \$18 or car-loads on track; warehouse lots \$14@14 50; straw commands \$6@7 on track.

Beans.—Sellers are asking \$1 30 for fine picked

tock. Unpicked are selling at \$1 per bu. Potatoes.-Market quieter. Early Rose or rack are quoted at 38@40c per bu., the latter price hard to get. In small lots quotations are 43@450 per bu.

Dried Fruit.—Very quiet; apples, 814@3%c

9@124c; pitted cherries, 15@16c; California plums Onions .- Market quiet and lower, \$1 per bu. is

out all dealers will pay at present. Hops.—Nothing doing, and prices entirely nominal. Held at 15@18c in store.

Peas .- Very quiet; Wisconsin blue peas a Timothy Seed .- Quiet at \$1 60@1 65 per but Chicago prime is selling at \$1 81 for prime. Provisions.—Barreled pork is lower, and weak at the decline; lard and smoked meats have also declined. Mess beef is lower and quiet. Dried beef and tallow are unchanged. Quotations in

market are as follows:	a. Quotations in
ss, newmily newar do	18 @ 18 25
d in tierces, per bd in kegs, per bms, per b	7% 0 7% 7% 0 7%
oilders, per 10	614@ 634 836@ 914
low, per 10ed beef, per 10	5% 6 5% 6 12%

the Michigan Avenue scales for the past week:
Monday—13 loads: Four at \$17; three at \$18
and \$16; one at \$19, \$15 and \$14 60.
Thursday—24 loads: Seven at \$16; five at \$15;
\$375.
Stottle sold Wreford & Beck 82 av 88 lbs at \$375.

four at \$17 and \$14; one at \$18, \$16 50, \$18 50 and \$18. \$13.

Wednesday—24 loads: Seven at \$14; six at \$17; five at \$16; two at \$16; two at \$18; one at \$13.

Thursday—35 leads: Five at \$15 and \$14; four at \$16 and \$15; three at \$175 of and \$14 50; two at \$18, \$18 and \$17; one at \$16 50, \$14 75, \$13, 12 50 and \$12.

Friday—19 loads: Five at \$18; four at \$17, \$16 and \$15; one at \$17 50 and \$16 50.

Saturday—21 loads: Six of \$12, \$12, \$14, \$15, \$16 and \$15; one at \$17 50 and \$16 50.

Saturday—21 loads: Six of \$12, \$14, \$15, \$16 and \$15; one at \$17 50 and \$16 50. Saturday—21 loads: Six at \$15; three at \$17 and \$16; two at \$18; one at \$16, \$17 50, \$17 50, \$16 50, \$14 50, \$18 50 and \$14.

LIVE STOCK MARKETS.

[By telegraph.] Below we give the latest reports of the live stock markets east and west for Monday, March 2 lrd, 1885.

BUFFALO.-Cattle, receipts 475; demand fair market steady and firm at closing rates of last week. Sheep, receipts 2,200; market unsettled and a shade lower, ranging from \$4 50 for medium up to \$5 25 for choice. Hogs, receipts 5,000 shipments 3,000; demand light; prices 10 cents

CHICAGO,-Cattle, receipts 9,000; market slov and 10@15 cents lower. Hogs, receipts 21,000; shipments 7,500; market closed weak at a decline of 10@15 cents below Saturday's rates.

At the Michigan Central Yards. Saturday, March 21, 1885. The following were the receipts at these vards

		Cattle, No.	Sheep. Ho
	Ann Arbor		184
	Albion	23	340
	Brighton		201
	Belding	19	
	Clyde,	40	62
	Chelsea	48	170
	Concord		488
Ì	Dexter	18	225
	Fowerville	25	
į	Flint	40	35
ļ	Grand Ledge	25	120 170
į	Grass Lake	24	543
ĺ	Greenville	~*	320
	Homer	72	
I	Howell	46	250
ı	Highland	20	• • •
1	Lapeer	34	81
ı	Marshali	92	100
1	Mt. Pleasant	16	
ı	Milford	56	48
ı	Mason	42 25	102
١	Novi	20	317
١	Oxford	42	227
١	Plymouth	15	196
ı	Portland	11	*::
ì	Rochester	27	78
1	Three Rivers		812
l	Utica		.257
	Wixom	17	***
J	Williamston	46	
ı	Wasepi Ypsilanti	64 12	243
I	Drove in	54	27
1			
	Total 1	,136	5,041
1			

CATTLE. The offerings of cattle at these yards numbere ,136, head, against 912 last week. The supply was the largest we have had in several month but there was a demand fully equal to the supply Shipping grades were a little easier, butchers' stock sold at strong last weeks rates, while stock ers, feeders and oxen averaged a shade higher. The market closed firm with all sold at the follow

QUOTATIONS:

| Contained | Cont

Wooster sold Shields 6 feeders av 996 lbs at Wooster sold Shields 6 feeders av 996 lbs at \$4 12½.

Thompson sold Sullivan a mixed lot of 7 head of fair butchers' stock av 883 lbs at \$3 80, and 3 fair butchers' stocer av 840 lbs at \$4 85.

Bishop sold Caplis a mixed lot of 10 head of fair butchers' stock av 834 lbs at \$3 95.

Bement sold Burt Spencer 4 fair butchers' stock av 834 lbs at \$3 95.

Bement sold Burt Spencer 4 fair butchers' steers av 1,024 lbs at \$4 25; 4 av 947 lbs at \$4, and 3 good ones av 1,200 lbs at \$4 50.

Lewis sold Sullivan 8 feeders av 974 lbs at \$4, and a coarse cow weighing 990 lbs at \$3.

Nichols sold Burt Spencer 7 good butchers' steers av 1,150 lbs at \$4 60, and 3 stockers to Sullivan av 786 lbs at \$3 75.

Bresnahan sold Sullivan 5 stockers av 684 lbs at \$3 50; 3 av 783 lbs at \$3 65, and 2 feeders av 935 lbs at \$4.

os at \$4. C R. e sold Shields 17 stockers av 872 lbs at

\$4.20.

McCafferty sold Burt Spencer 10 good shipping steers av 1,283 lbs at \$5, and 9 good butchers teers av 1,140 lbs at \$4 60. Sly sold Burt Spencer 2 choice oxen av 1,850 lbs

Siy sold Burt Spencer 2 choice oxen av 1,850 lbs at \$4.75.

Granger sold Sullivan 7 stockers av 533 lbs at \$3.25, and 4 av 870 lbs at \$3.75.

Beach sold Caplis 5 far butchers' heifers av 788 lbs at \$4, lees \$1 on the lot.

C Roe fold Shields 5 feeders av 883 lbs at \$4.20.

Clark sold Shields 14 feeders av 813 lbs at \$4.

Conley sold Caplis 3 fair butchers' steers av 816 lbs at \$4, less \$1 on the lot.

Culver sold Shields 25 feeders av 854 lbs at \$4.

Clark sold J Loosemore a mix d lot of 18 head of fair butchers' stock av 787 lbs at \$3.75.

Miller sold Burt Spencer 3 fair oxen av 1,493 lbs at \$4, and a thin one weighing 1,300 lbs at \$3.50.

Conley sold John Loosemore 3 thin cows av 943 lbs at \$4.

a sold Shields 10 feeders av 1,020 lbs at

at 28@30c.

Oheese.—Market dull and weak. Full cam
Stale is quoted at 12@13c per lb.; some special
makes bring 14c above these figures.

Eggs.—Quoted at 15c per doz. for fresh, the
large receipts having cut down prices.

Honey.—Market steady at 13@14c per lb.;

Honey.—Market steady at 13@14c per lb.

All Plotts sold Sullivan 15 feeders av 904 lbs at \$4.

at \$3.75. sold Sullivan 15 feeders av 904 lbs at \$4. Plotts sold Sullivan 4 feeders av 840 lbs at \$4. Plotts sold Sullivan 4 feeders av 840 lbs at \$4, and 5 stockers av 572 lbs at \$3.35. Stabler sold Burt Spencer 11 good butchers' steers av 1,200 lbs at \$4.50, and 2 fair ones av 990 lbs at \$4. Switzer & Ackley sold Sullivan 17 stockers av 750 lbs at \$3.85. White sold Shields 12 feeders av 908 lbs at \$4.124.

mand light. Quotations are \$4.25@4.75 per bushel crate.

Chowr Seed.—The market has ruled quiet bus yesterday showed more animation. Prime sold at \$4.85, and No. 2 at \$4.72½c per bu. At Toledo sellers are asking \$4.90. The Chicago market is steady at \$4.92½ per bu. for prime and poor to medium at \$4.50@4.85 per bu.

Dressed Hogs.—Quiet. Receipts are light. Knight sold Shields 13 feeders av 1,000 lbs at 440.

C Roe sold Wreford & Beck 20 fair butchers' steers and heifers av 282 lbs at \$4 05.

Conley sold Sallivan 14 feeders av 871 lbs at \$4.

Pickering sold Burt Spencer 7 good butchers' steers av 1,083 lbs at \$4 50.

Beardslee sold Wreford & Beck a mixed lot of 7 head of fair butchers' stock av 1,020 lbs at \$3 875, and 2 good oxen to Burt Spencer av 1,725 lbs at \$4 25.

C Roe so.d John Robinson 5 thin cows av 1,142 lbs at \$3 35.

lbs at \$3 35. Seardslee sold Sullivan 6 feeders av 900 lbs at Statistics sold Shields 7 feeders av 1,030 lbs at \$450.

Glenn sold John Robinson 7 fair butchers' steers and helfers av 916 lbs at \$3 90.

Boldman sold Burt Spencer 2 good oxen av 1,990 lbs at \$425.

Glessens sold Shields 18 feeders av 1,000 lbs at Gleason sold Shields 18 feeders av 1,000 lbs at \$4.25.

Spencer sold Wreford & Beck 7 good butchers' steers and helfers av 947 lbs at \$4.25.

Van Houten sold Wreford & Beck 17 good butchers' steers av 1,020 lbs at \$4.25 added on the lot, and 6 fair ones av 973 lbs at \$4.

Desk sold Sullivan 18 feeders av 1,010 lbs at \$3.90.

\$3 90.

Shepard sold Burt Spencer 10 good butchers' steers at 1,103 ibs at \$4 40.

G D Spencer sold Burt Spencer 2 good shipping steers at 1,425 lbs at \$5, and 2 good butchers' steers at 1,106 lbs at \$4 50. SHEEP.

The offerings of sheep numbered 5,041, against 1,746 last week. The sheep market ruled active, the principal demand being for shipment. Eastern reports were more favorable, and buyers had to pay an advance of 10@15 cents over the rates of last week. At the close the bulk of the sheep had changed hands and prices were firm.

C Roo-sold Capils 97.av 85 lbs at \$550.

Brown & Spencer sold Wreford & Beck 203 av 53 lbs at \$350, less \$5 on the lot.

Hill sold J Loosemore 117 av av 77 lbs at \$3 75.

Wooster sold J Loosemore 61 av 84 lbs at \$3 50.

Brown & Spencer sold J Loosemore 40 av 69

Brown & Spectra Brown & Beck 24 av v.0 lbs at \$3.75.

Donaldson sold Wreford & Beck 31 av 99 lbs at

Boyden sold Wreford & Beck 101 av 90 lbs at

Burningame som o Accession and State \$3 12½.

Beardslee sold Caplis 37 av 78 lbs at \$3 30.

Described Soid Capin 37 av 78 108 at \$3 30.
Conley sold Capin 102 av 94 108 at \$3 70.
Brant sold John Robinson 72 av 70 108 at \$3 40,
and 85 to McGonigle av 100 108 at \$4 30.
Nott sold Wreford & Beck 65 av 76 108 at \$3 70.
Taylor sold Wreford & Beck 131 av 98 108 at \$4,
and \$10 added on the lot.

The offerings of hogs numbered 423, against 194 last week. The demand was active to the extent of the supply, and the receipts change ands at strong last week's rates.

nands at strong last week's rates.
Standlick sold Rauss 21 av 1101bs at \$4 75.
Lewis sold Webb 9 av 151 lbs at \$4 75.
Frazer sold Rauss 11 av 226 1vs at \$4 80.
Lovewell sold Bigley 48 av 167 1bs at \$4 80.
Hill sold Bigley 21 av 204 lbs at \$4 80.
Not sold Webb 28 av 175 lbs at \$4 85.
Spencer sold Rauss 43 av 170 lbs at \$4 80.
Sarvice sold Rauss 14 av 157 lbs at \$4 70.
Burlingame sold Rauss 9 av 188 lbs at \$4 80.
Estep sold Webb 30 av 210 lbs at \$4 85.
Bently sold Rauss 87 av 190 lbs at \$4 80.

King's Yards. Monday, March 23, 1885.

CATTLE. The market opened up at these yards with a moderate supply of cattle, and an active demand. The quality averaged better than usual, there being but few coarse cattle among the offerings. Prices as compared with those of Saturday

Prices as compared with those of Saturday averaged 10215 cents per hundred higher.

Rundel sold Oberhoff 9 good butchers' steers av 1,015 lbs at \$450.

Stottle sold H Roe 2 good butchers' heifers av 900 lbs at \$400, and 8 to John Robinson av 780 lbs at \$425.

Kundel sold H Roe 11 fair butchers' steers and heifers av 950 lbs at \$4.

Stottle sold Baxter 2 good butchers' steers av 1,020 lbs at \$4.75, and a mixed lot of 5 head of fair butchers' stock to John Robinson av 716 lbs at \$3.75.

Newton sold John Robinson a mixed lot of 10

at \$3.75.

Newton old John Robinson a mixed lot of 10 head of thin butchers' stock av 1 010 lbs at \$3.50.

Stotile sold Oberhoff 3 good butchers' steers av 1,033 lbs at \$4.50.

Vanderhoof soid Sullivan 8 stockers av 744 lbs at \$3.70.
Webster sold Hersch 2 choice butchers' steers at 1,275 lbs at \$4.85.
Church sold Marx 3 fair butchers' heifers av 00 lbs at \$4 15. Newton sold Hersch 2 choice butchers' steers Newton sold Hersch 2 choice butchers' steers av 1,205 lbs at \$4. Webster sold Oberhoff 2 choice butchers' steers av 1,205 lbs at \$4. 85, and 2 fair ones to Marx av 1,015 lbs at \$4. Vanderhooff sold Sullivan 7 feeders av 843 lbs at Church sold Sullivan 4 stockers av 787 lbs a

\$3 90.
Oberhoff sold Knoch 3 choice butchers' steers av 1,230 lbs at \$4 85.
Aldrich sold Robinson a m'xed lot of 13 head of thin butchers' stock av 873 lbs at \$3 60.
Jennings sold Robinson a mixed lot of 5 head of thin butchers' stock av 808 lbs at \$3 50.
Carlow sold Hersch 2 good butchers' steers av 1,045 lbs at \$4 70.
McHugn sold Kraft 4 fair butchers' steers av 101 lbs at \$4 70. 10 lbs at \$4 25. Oberhoff sold Genther 4 good butchers' steers v 1 062 lbs at \$4 50. McHugh sold Suliivan 3 stockers av 636 lbs at 8 50. Newton sold Sullivan 5 feeders av 1,072 lbs at

McHugh sold Claucy 5 coarse cows av 1,112 lbs at \$3 15, and a mixed of 614 head of thin butchers' stock to Kammon av av 718 lbs at \$3 60.

Beal sold Sullivan 4 feeders av 1,047 lbs at \$4 30.

Smith sold Stickel 4 fair butchers' steers and heifers av 860 lbs at \$4,

Seeley sold Kolb 2 good butchers' steers av 1,120 lbs at \$4 75.

Buffalo.

CATTLE-Receipts 4,985, against 3,655 the previous week. The receipts on Monday comprise 35 car loads. The demand was active and prices fully stronger than at the close of the previou week. The best steers on sale brought \$6 15 while the bulk of the sales to shippers were a \$4 65@5 15. Light butchers' steers sold at \$3 75@ 4 40, and mixed lots at \$3 50@4 25. The receipts were very light on Tuesday and Wednesday, but prices were unchanged. Of Michigan cattle 41 steers sv 1,015 lbs and at \$4 55; 10 do av 1,084 lbs at \$4 55; 23 do av 978 lbs at \$4 20; 23 do av 1,104 Choice Farming Land lbs at \$4 60; 16 do av 1,078 lbs at \$4 65; 34 do av lbs at \$4 50; 16 do av 1,078 lbs at \$4 65; 34 do av 1,070 lbs at \$4 60; 19 do av 1,205 lbs at \$4 80; 22 do FOR SALE in Huror County, Mich. Clay loam av 1,010 lbs at \$4 50; 19 do av 1,001 lbs at \$4 60; 21 estily cleared. Terms to suit purchasers. Call do av 1,075 lbs at \$4 50; 21 do av 1,027 lbs at \$4 50; 28 do av 1,118 lbs at \$4 75; 7 do av 1,237 lbs at \$5 25; At the solid shields 1, 8 tockers av 672 lbs at \$3 85, and 7 good butchers' steers to Burt Spencer av 1,160 lbs at \$4 60, 18 do av 1,127 lbs at \$4 85, 35 do av 1,160 lbs at \$4 75; 10 stockers av heifers av 755 lbs at \$3.

Bishop sold Sullivan 5 stockers av 672 lbs at \$470; 10 av 917 lbs at \$4; 10 do av 716 lbs at \$3.65, and a good steer weighing 1,160 lbs at \$4.20.

QUOTATIONS: formed steers, weighing 1,300 to 1,400 lbs.

Good Beeves—Well-fattened steers weighing 1,200 to 1,350 lbs.

Medium Grades—Steers in fine flesh, weighing 1,050 to 1,250 lbs.

Good Butchers' Beeves—Light, fat steers weighing 900 to 1,000 lbs... 3 25 25 25 Heifter—Fair to choice... 3 90 24 30 Cows and Heifters—Good to choice. 3 50 24 25 Mixed Butchers' Stock—Common steers, stage, old cows, light heifers, etc... 2 75 23 40

CATTLE.—Receipts 27,006 against the 25,265 previous week. Shipments 10,785. The cattle market opened up on Monday with 6,000 head on sale. Trading was fairly active at the closing rates of Saturday. The best steers on sale brought \$5 40 @6; and good to choice, \$4 90@5 25, with medium grades at \$4 50@4 80. Butchers' stock was active at \$2 75@4 for poor to choice cows, and \$4 10@ 4 70 for fleshy steers. The market ruled steady and firm on Tuesday and Wednesday, and on Thursday medium weight cattle sold at an advance, the heavy weights not being in so much demand. The receipts continued light, and Friday prices advanced 10@15 cents. There was an active demand on Saturday, and the market closed very strong at the following

QUOTATIONS: Extra Beeves-Graded steers weighing 1,800 to 1,450 lbs and upwards \$5 80 @5 60 Choice Beeves-Fine, fat, well-formed 3-year to 5-year-old steers, weighing 1,350 to 1,450 lbs....... 5 50 @5 75 Good Beeves-Well-fatted steers, weighing 1,300 to 1,300 lbs....... 5 10 @5 40 Medium Grades-Steers in fair fiesh, weighing 1,00 to 1,300 lbs... 4 75 @5 10 Butchers' Stock-Inferior to common steers and heigers, for city

Hoes.-Receipts 105.873 against 98,935 last

NEW ADVERTISEMENTS.

NEW ADVERTISEMENTS.

NEW ADVERTISEMENTS. Oliver's Combination

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TWELVE YEARS' PRACTICAL USE IN THE FIELD.

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der refilled gratis. I have sold vegetable and flower over a million farmers and gardeners in the ited States, perhaps some are your neighbors, if so ask bem whether they are reliable. Mr. Thomas Henshall of Troy, Kansas, writes me: "For 36 year I have dealt with you. I have lived in lowe, Missouri, Colorado, and Kansas, and no matter what the soil or climate, the result was always the same, to wit: "religiously honest was always the same, to wit: "religiously honest odd." This is the kind of seed I raise and sell. The bard and Marblehead Squash, Marblehead Marblehead Cabbages, Ohio Potato, Eclipso are some of the vegetables of which I was the original for are some of the vegetables of which I was the original for a come of the vegetables of which I was the original for a come of the vegetables of which I was the original for a come of the vegetables of which I was the plant had been always. We want to all the common the common that we want to be a common the common that it is not a common to the common that it is not a co

THE FARMER'S FAVORITE

These Wagons are made of the best Wood and Iron to be procured, and put together by the most experienced wer! men. Every one warranfed a give satisfaction, both in regard to quality of

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investment that a

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Popular Because SIMPLE and EASY to Operate

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Over 150 Horses with Colic Treated in the Detroit Fire Department With-out the Loss of a Single Animal.

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Rings and Holder.

The only Ring that will effectually ing. No sharp points in the nose.

week. Shipments 37,797. The supply of hogs on Monday numbered 40,283. The market was active, and prices equally as strong as at the close of the previous week. Poor to prime light sold at \$4 900,480; inferior mixed to choice heavy, \$4 600,490, with skips and culls at \$3 500,440. Price-werd steady on Tuesday until toward the close when it eased off 5 cents, but on Wednesday the receipts fell off and prices advanced 50, 10 cents. The market closed weak on Thursday, and declined Leents on light grades and 10 cents on heavy on Friday. On Saturday the market was active and dull by turns, closing easy with poor to prime light selling at \$4 40,2475; inferior mixed to choice heavy, \$4 40,2485, with skips and culls at \$3 50,0425.

NEW ADVERTISEMENTS.

IMPORTANT JOINT PUBLIC SALE

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Thursday, April 16th, 1885.

A Choice Selection from the NIAGARA HERD

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MRS. C. M. LANSING, Prop'r. Col. Jas. W. Judy, Auctioneer. Catalogues ready about March 1st, for which, and any information, address, WM. H. GIBSON,

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as perfect and steady a motion asan engine and can be adjusted to run the power fast or slow. The Feed Cutter is made with an adjustable steel throat living, which gives four new cutting edges without ex ra cost. It has the capacity to cut one ton per hour. The Grinder attached to our Power will grind from 10 to 15 bushels per hour with two horses. For re'erences we direct you to John F. Hagerman, Romeo; Hon. A. B. Maynard, Romeo; Eugene Smith, St. Clair; Hon. H. H. Hatch, Bay City; Hon. Wm. L. Webbr, East Saginaw; G. N. Terrill, Laper; S. L. Hoxie, South Edmeston, N. Y.

We also make a power especially adapted to Grain Elevators and other stationery purposes, which will elevate five bushels per minute, fifty five feet high, with one horse and medium clevation. For this purpose we refer you to Miller & Ainsworth, Swartz Creek, H. F. Bush, Gaines Station; James Johnson, Cassopolis; John Gardner, Oxford. Correspondonre solicited. For further particulars and illustrated circulars address as above. Mention this paper.

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A BOSS FARM FOR SALE.

Having accepted a position as Superintendant of a manufacturing firm in Ohio, we offer our farm for sale; coutains 120 acres; located one mile north of Williams Station, on Kalamazoo & South Haven Branch of the M. C. R. R., and two miles west of Alamo Center: a large two-story house, corn and wagon house, hog barn, tool house etc., all in sood repair; good orchard, good timber, good seclety, good climate and good churches F. r particulars call at farm or address E. H. -CHROP, Alamo. Kalamazoo Co., Mich., or W. J. SCHROP, Rittman, Wayne Co., Ohio. mil0-4t CHROP, Rittman, Wayne Co., Ohio.

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Containing 40 acres, one and a half miles from the village of Bennington and five miles from the city of Owosso; 36 acres under good cultivation, balacce unimproved; three acres of orchard set in the spring of 1880, consisting of apple, pear, plum, peach and cherry, all shoice fruit and well cared for, also a quantity of grape and raspberry vines; most of the above beginning to bear fruit. A good house with seven convenient ro me, and ceilar; well of good water, cistern etc. For terms and price address CHAS. GOOD win, milo-6t Bennington, Shiawassee Co., Mich. nd price address CHAS. GOODWIN, 1:10-6t Bennington, Shiawassee Co., Mich

SPRING BROOK DAIRY FARM FOR SALE.

Owing to the death of the owner, this farm i offered for sale. It comprises 150 acres, situated near the village of Armada; soil, loam; 15 acres of timber; is well fenced, well watered, good buildings, and altogether a desirable farm. Terms easy and price reasonable. Call at the premises, or address

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For varieties see the Breeders' Directory in this paper. Send for Circular describing mat-ings. Guaranteed to be as represented. Eggs \$2 for 13, \$3 for 26; Bronze Turkeys \$3 for 12, \$5 for 24; Tuloure Geese forty cents each. Mam moth Bronze Furkeys a specialty. Address mr17-8t W. W. McDOWELL, Howell, Mich. Shorthorn Bulls For Sale Six young Shorthorn bulls, all fit for service, sired by Horatio, he by Gen. Custer 29618, dam Hela 3d by Rufus 18275, with one exception. They are red, red and white, and one 10an. If applied for soon will be sold at very reasonable prices. All eligible to registry. Address

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Agricultural.

NOTES BY THE WAY.

Visit Among the White Faces-The H of Messrs. Pearsall & Foster of Fli Genesee County.

As most of our readers who are pos in live stock matters in Michigan ware, Flint has been the recognis headquarters for Hereford cattle since introduction of the breed into the St by the late Governor Crapo. The st hen made has gradually developed un there are a number of fine herds here, c mining animals of as high breeding a individual merit as are to be found in Union. Our visit was more particula pau to messrs. Foster & Pearsall, who farm is located about two and a half mi north of the town, and was made in co

Horace 11199 (8051), imported in da

years old, then made 1,600 lbs. of dressed beef. We want no better proo the value of the Horace stock than a at the herd of Foster & Pearsail, man which are his descendants. With such a of prize winning ancestors, and so m individual merit as Sir Horace posses we look for a great future for this bul Rouge Leon (vol. 15, E. H. B.), ca August 13, 1883, bred by T. J. Carward of Sticktonbury, England, imported gust, 1884, sire Grantsfield, by Lord ton (Royal winner), by Sir Roger, by Thomas, mentioned above, etc., Curley by Rodney, by De Cote (R winner). Rouge Leon is line bred to famous old bull Sir Benjamin, the R prize winner, and perhaps sire of I prize winning stock than any known bull, unless it be his sire Thomas. This young bull, as yet a ling, is an animal of great promise, 18 l and fine, very straight top and bot

with a very mellow skin and silky Look out for some good stock from couple of show herds could be sele from them that would tax the show q ties of the best herds in existence. may be mentioned Wistful, calved I 7, 1888, imported July, 1884, bred by T Marston, Letton, Hereford, Eng. sire was Marquis, by The Grove 3d, Winsome by Thoughtful, and he from the celebrated Walford. Mained the Royal winner Princess. Grove 3rd is one of the most noted a balls in America; he sired Rudolph, brought \$3,500; and for three years The Grove 3rd's get won the cham prize for four heifers given by the I

Water...
Where are Wicked Folks Buried?—A Sms
Reporter—A Funeral for One—The Hummis
Bird at Home—Roller Skating—A View fro
the Moon—A Doubtful Husband—The Predent of Venezuela—He did not Care—Save
Again—Varieties—Chaff.

pany with a gentleman from Lapeer w was looking into the merits of Herefor for that section. Messrs. Foster & Pearsall have late been making some additions to their he from recent importations, and to-day ha the most even and handsomest lot of He fords we have ever seen in one herd Michigan. At head of the herd is

ealved August 14th, 1882, and bred by 1 John Price, Pembridge, England, sire Court (6086) dam Pansy 8th by Regu (Royal winner), by Sir Roger, by Thomas (Royal winner) sold six years of age for \$2,000, Sir Benjamin (Royal winner), Sir David (Royal winner). Sir Ro is half brother to Lord Wilton, which h sold last August at auction in England \$20,000, when 11 years old. Old Cour by Horace, sire of The Grove 3rd, which bull Mr. C. M. Culberson of Ch. go, Ill., paid \$4,250 when nine ye old. In all the annals of Hereford bro ing we find no more notable sire t Horace, and perhaps no bull has d more to elevate the Herefords as a producing breed than this grand old h He brought \$2,500 when nine years and was kept in active service until

The heifers are a grand lot, ar

ford Herd-Book of England. Wistf

low, short-legged broad-backed he of great beauty and rare quality, a

of payment very easy—five to ten years time given if desired. Write and give us a description of what you want and we will select from our list what we think will suit you, and send you plat and prices.

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The Horss.—Legislation to Prevent the Spreof Glanders or Farcy—The Kalamazoo Sto Farm—Tromont—Dates Claimed for Trotti Meetings—Horse Gossip.

The Farm.—A Branch County Herd of Pelai Chinas—The Lones as an Index of Character Creamery Butter—Five Acres Enough—St Death to Lice—Agricultural Items.

The Poultry Yord.—Poultry Breeding for Protection of the Province of the nortcultural—A Law Mrker Whe Needs Poing—A, M. Purdy—Peach Prospects at Hai Oceana County—Quince Culture—The Ro Garden—Nitrogen as Plant Food—Squash Cuture—Horticultural Notes.

gattorial.—Wheat—Corn and Oats—Dairy Pro-nets—No More Farm Statistics for Michigan Protection Against Teras Cattle Fever—Tre ing the Breeds—The Calhoun County She-Shearing Association—Good Men Wanted in Pathmasters—Stock Notes.